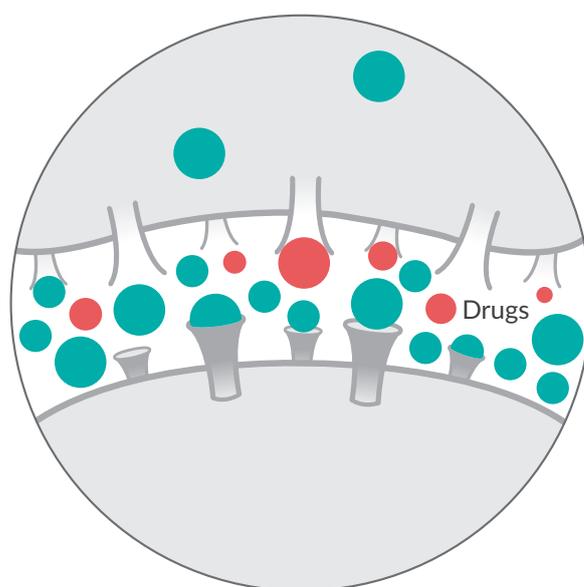
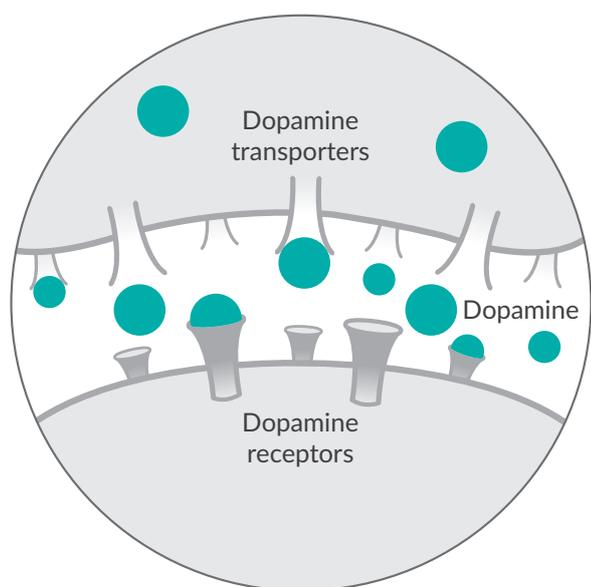


Addiction Research Tools



Cayman offers a wide range of products to study targeted brain circuits mediating the behavioral effects of drugs of abuse. We also offer over 2,000 high-quality analytical standards that have been synthesized using a range of analytical techniques to verify identity, purity, and other relevant characteristics. Whether you are looking to quickly identify or quantify drugs of abuse *via* mass spec or understand their physiological and toxicological properties, Cayman has the right tools to help make your research possible.



Drugs of Abuse

Amphetamines and Other Stimulants

Item No.	Product Name
15650	D-Amphetamine (hydrochloride) (exempt preparation)
10488	Bupropion (hydrochloride)
15655	(-)-(S)-Cathinone (hydrochloride) (exempt preparation)
22165	Cocaine (hydrochloride)
11159	Dimethocaine (hydrochloride)
11630	Ketamine (hydrochloride)
13971	3,4-MDMA (hydrochloride)
15657	Mephedrone (hydrochloride) (exempt preparation)
15656	Methcathinone (hydrochloride) (exempt preparation)
14276	PCP (hydrochloride)

Over 650 amphetamine and other stimulant standards available online

Benzodiazepines

Item No.	Product Name
15287	α -hydroxy Alprazolam
14263	Clonazepam
18173	Clonazolam
15554	Diclazepam
15889	Estazolam
24481	Flualprazolam
11449	Ketazolam
15891	Lorazepam
16193	Midazolam
22577	Triazolam

Over 100 benzodiazepine standards available online

Addiction Research Products are available in **BULK** quantities to qualified institutions. Request a quote from our sales team by emailing sales@caymanchem.com

Opioids

Item No.	Product Name
9002271	4'-methyl Acetyl fentanyl (hydrochloride)
25958	<i>ortho</i> -fluoro 4-ANBP
14025	Buprenorphine (hydrochloride)
19410	Carfentanil
22801	Crotonyl fentanyl
21739	Cyclopropyl fentanyl (hydrochloride)
15126	Desomorphine
21536	Dihydromorphine (hydrate)
25678	Fentanyl Methyl Carbamate
25877	4'-Fluorofentanyl (hydrochloride)
25239	N-benzyl Furanyl norfentanyl (hydrochloride)
24263	Isopropyl U-47700
13114	7-hydroxy Mitragynine
25542	N-benzyl <i>para</i> -fluoro Norfentanyl (hydrochloride)
11487	Salvinorin A
11488	Salvinorin B
18596	U-47700
20285	U-51754 (hydrochloride)

Over 550 opioid standards available online

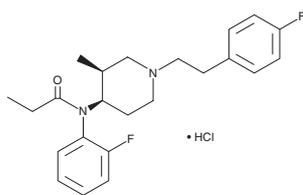
Cannabinoids and Phytocannabinoids

Item No.	Product Name
16603	(R)-5-fluoro ADB
71670	AM251
10006972	AM281
90080	Cannabidiol
9001574	Cannabidivarin
15293	Cannabigerol
9001572	Cannabigerolic Acid
90084	(-)-CP 55,940
90086	HU-308
10009280	L-759,633
26645	4-fluoro MDMB-BUTINACA
26097	MDMB-4en-PINACA
25906	MMB022
15334	NM2201
23924	5-fluoro phenyl-PICA
14042	Δ^8 -THC
12068	Δ^9 -THC
10009023	(+)-WIN 55,212-2 (mesylate)

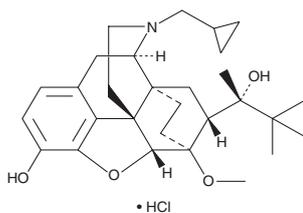
Over 750 cannabinoid and phytocannabinoid standards available online

Featured Opioid Products

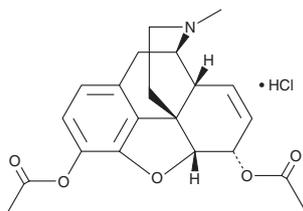
**4'-fluoro, *ortho*-fluoro
(±)-*cis*-3-methyl Fentanyl
(hydrochloride)**
Item No. 24510



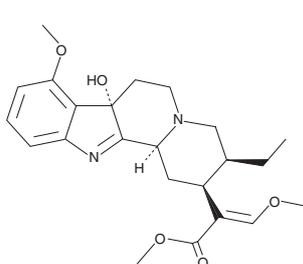
**Buprenorphine
(hydrochloride)**
Item No. 14025



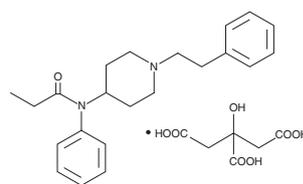
Heroin (hydrochloride)
Item No. 9003076



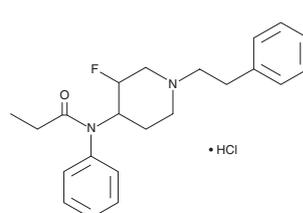
**7-hydroxy
Mitragynine**
Item No. 13114



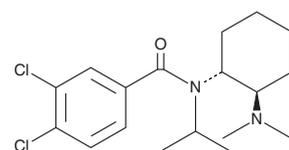
Fentanyl (citrate)
Item No. 22659



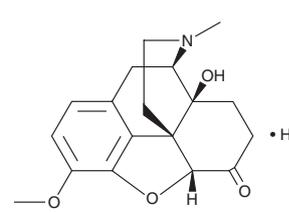
**3-Fluorofentanyl
(hydrochloride)**
Item No. 21952



Isopropyl U-47700
Item No. 24263



**Oxycodone
(hydrochloride)**
Item No. 26513



Addiction Research Tools

Dopamine Transport Antibodies and Inhibitors

Item No.	Product Name	Summary
10009372	Dopamine Transporter (C-Term) Polyclonal Antibody	Host: Rabbit • Applications: IHC, WB • Species Reactivity: (+) WB - Human striatal samples (SDS-solubilized), WB - Mouse striatal samples (SDS-solubilized), IHC - Macaque monkey brain
10009373	Dopamine Transporter (Extracellular Loop 2) Polyclonal Antibody	Host: Rabbit • Applications: IHC, WB • Species Reactivity: (+) WB - Human striatal samples (SDS-solubilized), IHC - Human brain (formaldehyde-fixed), IHC - Monkey brain (formaldehyde-fixed)
15622	GBR 12909 (hydrochloride)	A blocker of dopamine uptake
17700	GBR 12935 (hydrochloride)	A selective inhibitor of dopamine uptake

NMDA Agonists and Antagonists

Item No.	Product Name	Summary
16132	1-Aminocyclopropanecarboxylic Acid	An NMDA receptor partial agonist
14539	D-AP5	A selective NMDA antagonist
14584	Ibotenic Acid	An excitotoxic NMDA and mGluR agonist
14184	Memantine (hydrochloride)	An NMDA open-channel blocker
10009019	(+)-MK-801 (hydrogen maleate)	A selective, non-competitive NMDA open-channel blocker
14581	NMDA	An excitatory neurotransmitter

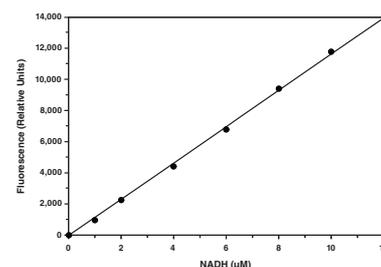
mGluR Agonists and Antagonists

Item No.	Product Name	Summary
11986	Biphenylindanone A	A positive allosteric modulator of mGluR2
21486	CPCCOEt	A selective, non-competitive mGluR1b antagonist
13852	DL-AP3	A competitive mGluR1 antagonist
15351	LY379268	A brain-permeable, selective group II mGluR2/3 agonist
18862	MMPIP (hydrochloride)	A reversible allosteric antagonist of mGluR7
14961	MTEP (hydrochloride)	A negative allosteric modulator of mGluR5a
21806	UBP 310	An antagonist of GluR5

Convenient Monitor of ALDH Activity

Aldehyde Dehydrogenase Activity Assay Kit - Item No. 700800

- Measure ALDH activity in tissue homogenates, cell culture samples, and purified ALDH preparations
- Assay 20 samples in duplicate
- Measure ALDH activity down to 0.4 U/ml



ALDH Inhibitors

Item No.	Product Name	Summary
21868	CM037	An ALDH1A1 inhibitor
18318	CVT-10216	A reversible ALDH2 inhibitor
18319	NCT-501 (hydrochloride)	A selective, reversible inhibitor of ALDH1A1
14018	WIN 18,446	An ALDH1A2 inhibitor

AMPA/Kainate Agonists and Antagonists

Item No.	Product Name	Summary
14618	CNQX	A competitive AMPA/kainate glutamate receptor antagonist
14914	NBQX (sodium salt)	A water-soluble AMPA/kainate glutamate receptor antagonist
14937	S18986	A positive allosteric modulator of AMPA receptors

Long-Acting Opioids and Additional Receptor Agonists, Antagonists, and DREADD Ligands

Item No.	Product Name	Summary
21549	BMS 986187	A δ -opioid positive allosteric modulator
21553	DAMGO	A selective peptide agonist of the μ -opioid receptor
15520	Naltrexone (hydrochloride)	An antagonist of opioid receptors
9000705	Naltrindole (hydrochloride)	An antagonist of the human δ -opioid receptor
15599	SNC 80	A selective nonpeptide agonist of the δ -opioid receptor

GABA Modulators

Item No.	Product Name	Summary
18599	CGP 35348	A brain-accessible GABA _B receptor antagonist
10008346	Gabapentin	A GABA analog
13667	Muscimol	A full GABA _A agonist and partial GABA _C agonist
17355	Saclofen	A GABA _B receptor antagonist
14585	SR 95531 (hydrobromide)	An antagonist of GABA _A receptors

Nicotinic Receptor Agonists

Item No.	Product Name	Summary
20887	(-)-Nicotine (tartrate)	An agonist at neuronal nAChRs
20505	(±)-Nornicotine	A neuronal nAChR agonist
17424	PNU 282987	A potent, selective agonist of α 7-containing nAChRs
14973	SIB 1553A (hydrochloride)	A β 4 subunit-selective nAChR agonist

NPY (Neuropeptide Y)/CRF (Corticotropin-releasing Factor) Receptor Antagonists

Item No.	Product Name	Summary
15147	Antalarmin (hydrochloride)	A selective, nonpeptide antagonist of the CRH receptor 1
20732	CP 154,526 (hydrochloride)	A selective, nonpeptide CRF ₁ antagonist
13947	JNJ-5207787	A selective antagonist of NPY receptor Y ₂
15071	Neuropeptide Y (human, rat)	A key neuropeptide of the gut-brain axis

To view a complete list of our Addiction Research Tools,
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