(+/-) Anatoxin

Nicotinic acetylcholine receptor ligand

(±)-Anatoxin is the synthetic version of (±)2-Acetyl-anatoxin, an alkaloidal toxin produced by the filamentous freshwater cyanophyte *Anabaena flos-aquae*. (±)-Anatoxin is a potent nicotinic agonist, stimulates dopamine release from rat striatal synaptosomes, and induces apoptosis in rat thymocytes and Vero cells following the generation of reactive oxygen species and the activation of caspases.

- Potent nicotinic agonist
- Toxin with apoptotic properties

Citations: 7 View Online »

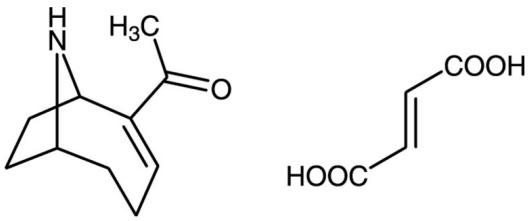
Ordering Information

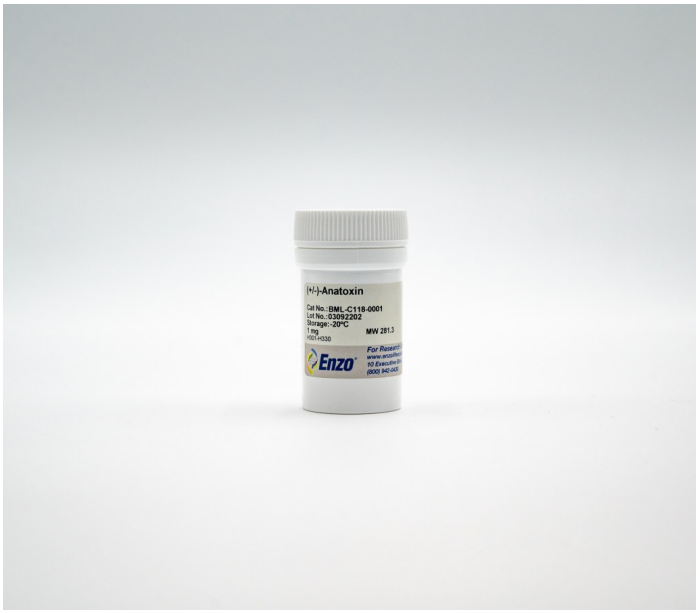
Order Online »

BML-C118-0001	1mg

Manuals, SDS & CofA

View Online »


H
N
H3C
O
COOH
HOOC


(+/-)-Anatoxin
Cat No.:BML-C118-0001
Lot No.:03092202
Storage:-20°C
1 mg
MW 281.3
Enzo

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Store, as supplied, at -20°C for up to 1 year. Store solutions at -20°C for up to 1 month
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	(±)-Anatoxin A fumarate, (±)-2-Acetyl-9-aza bicyclo[4,2,1]non-2-ene fumarate
Appearance	Light brown solid.
CAS	1219922-30-1
Couple Target	Acetylcholine receptor
Couple Type	Ligand
Formula	$C_{10}H_{15}NO \cdot C_4H_4O_4$
Identity	Identity determined by MS and 1H-NMR.
MW	281.3
Purity	≥96% (HPLC)
Solubility	Soluble in water (14mg/ml).
Source	Synthetic.

Last modified: May 29, 2024

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

For local distributors and detailed product information visit us online: enzo.com All product names, logos, and brands are the property of their respective owners.