

ACV 1

Chemical Properties

CAS No.:	740980-24-9
Formula:	C71H103N23O25S4
Molecular Weight:	1806.98
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Neuronal nicotinic receptor antagonist
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Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.553 mL	2.767 mL	5.534 mL
5 mM	0.111 mL	0.553 mL	1.107 mL
10 mM	0.055 mL	0.277 mL	0.553 mL
50 mM	0.011 mL	0.055 mL	0.111 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Voss, L.J., S.A. George, and J.W. Sleight, Testing neocortical slice viability in non-perfused no-magnesium artificial cerebrospinal fluid solutions. *J Neurosci Methods*, 2012. 204(2): p. 273-5.
2. Liu, D. and F. Bao, Hydrogen peroxide administered into the rat spinal cord at the level elevated by contusion spinal cord injury oxidizes proteins, DNA and membrane phospholipids, and induces cell death: Attenuation by a metalloporphyrin. *Neuroscience*, 2015. 285: p. 81-96.
3. Gruber, R.C., et al., Targeted GAS6 delivery to the CNS protects axons from damage during experimental autoimmune encephalomyelitis. *J Neurosci*, 2014. 34(49): p. 16320-35.
4. Bjorefeldt, A., et al., Human cerebrospinal fluid increases the excitability of pyramidal neurons in the in vitro brain slice. *J Physiol*, 2015. 593(1): p. 231-43.

Inhibitors · Natural Compounds · Compound Libraries

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