

ACV 1

Chemical Properties

CAS No. :	740980-24-9
Formula:	C71H103N23O25S4
Molecular Weight:	1806.98
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Neuronal nicotinic receptor antagonist
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5534 mL	2.767 mL	5.5341 mL
5 mM	0.1107 mL	0.5534 mL	1.1068 mL
10 mM	0.0553 mL	0.2767 mL	0.5534 mL
50 mM	0.0111 mL	0.0553 mL	0.1107 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.

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.

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.

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.

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