

NF 023

Chemical Properties

CAS No.:	104869-31-0
Formula:	C ₃₅ H ₂₀ N ₄ Na ₆ O ₂₁ S ₆
Molecular Weight:	1162.86
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	P2X1 receptor antagonist
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Solubility Information

Solubility	H ₂ O: 100 mM (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.86 mL	4.3 mL	8.599 mL
5 mM	0.172 mL	0.86 mL	1.72 mL
10 mM	0.086 mL	0.43 mL	0.86 mL
50 mM	0.017 mL	0.086 mL	0.172 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. Bouchaïb El Bahh, Silvia Balosso, Trevor Hamilton, et al. The anti-epileptic actions of neuropeptide Y in the hippocampus are mediated by Y2 and not Y5 receptors. *European Journal of Neuroscience*, 2005, 22: 1417-1430.
2. Daniela Proske, Martin Höfliger, Richard M. Söll, et al. A Y2 Receptor Mimetic Aptamer Directed against Neuropeptide Y. *The Journal of Biological Chemistry*, 2002, 277(13):11416-11422.
3. Philip J. Medeirosa and Dwayne N. Jackson. Neuropeptide Y Y5-receptor activation on breast cancer cells acts as a paracrine system that stimulates VEGF expression and secretion to promote angiogenesis. *Peptides*, 2013, 48:106-113.
4. Valentina Corvino, Elisa Marchese, Stefano Giannetti, et al. The neuroprotective and neurogenic effects of neuropeptide Y administration in an animal model of hippocampal neurodegeneration and temporal lobe epilepsy induced by trimethyltin. *J. Neurochem.*, 2012, 122: 415-426.

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