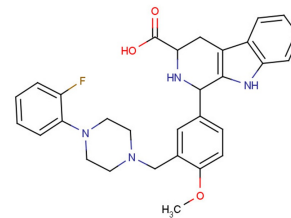


Ned 19

Chemical Properties

CAS No.: 874374-25-1
Formula: C₃₀H₃₁FN₄O₃
Molecular Weight: 514.59
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	Ned 19 is a selective membrane-permeant non competitive antagonist of NAADP and strongly inhibits tumor growth and vascularization as well as lung metastases in mice.
Targets(IC ₅₀)	Ca ²⁺ : None

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	1.943 mL	9.716 mL	19.433 mL
5 mM	0.389 mL	1.943 mL	3.887 mL
10 mM	0.194 mL	0.972 mL	1.943 mL
50 mM	0.039 mL	0.194 mL	0.389 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. Rosen D, et al. Analogues of the nicotinic acid adenine dinucleotide phosphate (NAADP) antagonist Ned-19 indicate two binding sites on the NAADP receptor. *J Biol Chem.* 2009 Dec 11;284(50):34930-4.
2. Annarita Favia, et al. NAADP-Dependent Ca²⁺ Signaling Controls Melanoma Progression, Metastatic Dissemination and Neoangiogenesis. *Sci Rep.* 2016; 6: 18925.

Inhibitors · Natural Compounds · Compound Libraries

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