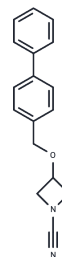


NAAA-IN-3

Chemical Properties

CAS No. : 1831115-59-3
 Formula: C₁₇H₁₆N₂O
 Molecular Weight: 264.32
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	NAAA-IN-3 (Compound 17a) is a potent and selective NAAA inhibitor with an IC ₅₀ of 50 nM. NAAA is a cysteine amidase that preferentially hydrolyzes the endogenous biolipids palmitoylethanolamide (PEA) and oleoylethanolamide (OEA). PEA is an endogenous agonist of the nuclear peroxisome proliferator-activated receptor- α (PPAR- α), a key regulator of inflammation and pain. The potential role of NAAA-IN-3 is as a therapeutic agent for the treatment of inflammation and pain.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7833 mL	18.9165 mL	37.8329 mL
5 mM	0.7567 mL	3.7833 mL	7.5666 mL
10 mM	0.3783 mL	1.8916 mL	3.7833 mL
50 mM	0.0757 mL	0.3783 mL	0.7567 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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