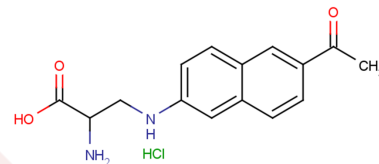


Data Sheet (Cat.No.T19079)

(±)-ANAP hydrochloride (1185251-08-4 free base)

Chemical Properties

CAS No. : T19079
Formula: C₁₅H₁₇ClN₂O₃
Molecular Weight: 308.76
Appearance: no data available
Storage: keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	(±)-ANAP is the amino acid analog of prodan. It can be used as a fluorescent probes and enhance environmental sensitivity.
Targets(IC50)	Others
In vitro	(±)-ANAP acts as a fluorescent probes, and enhances environmental sensitivity with comparable or increased brightness [1]. It is sensitive to polarity with changes in intensity and emission wavelength [2].

Solubility Information

Solubility	DMSO: 0.52 mg/mL (1.68 mM),sonification/heating is recommended. (1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2388 mL	16.1938 mL	32.3876 mL
5 mM	0.6478 mL	3.2388 mL	6.4775 mL
10 mM	0.3239 mL	1.6194 mL	3.2388 mL
50 mM	0.0648 mL	0.3239 mL	0.6478 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.

Reference

Lee HS, et al. Genetic incorporation of a small, environmentally sensitive, fluorescent probe into proteins in *Saccharomyces cerevisiae*. J Am Chem Soc. 2009 Sep 16;131(36):12921-3.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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