

(±)-ANAP**Chemical Properties**

CAS No. : 1185251-08-4

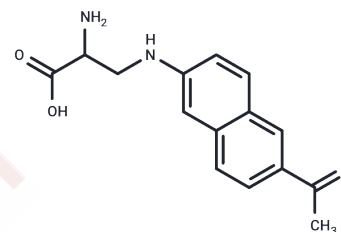
Formula: C₁₅H₁₆N₂O₃

Molecular Weight: 272.3

Keep away from direct sunlight

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	(±)-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].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6724 mL	18.3621 mL	36.7242 mL
5 mM	0.7345 mL	3.6724 mL	7.3448 mL
10 mM	0.3672 mL	1.8362 mL	3.6724 mL
50 mM	0.0734 mL	0.3672 mL	0.7345 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

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.

Xiang Z, et al. Enantiospecific synthesis of genetically encodable fluorescent unnatural amino acid L-3-(6-acetylnaphthalen-2-ylamino)-2-aminopropanoic acid. *J Org Chem.* 2011 Aug 5;76(15):6367-71.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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