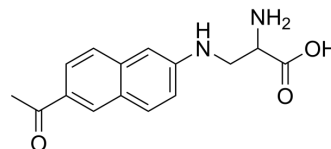


(±)-ANAP

Cat. No.:	HY-101937A
CAS No.:	1185251-08-4
Molecular Formula:	C ₁₅ H ₁₆ N ₂ O ₃
Molecular Weight:	272.3
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	(±)-ANAP is the unnatural amino acid analog of prodan, acts as a fluorescent probes, and enhances environmental sensitivity.
In Vitro	(±)-ANAP is the amino acid analog of prodan, acts as a fluorescent probes, and enhances environmental sensitivity with comparable or increased brightness ^[1] . (±)-ANAP is sensitive to polarity with changes in intensity and emission wavelength ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. 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.
- [2]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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