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**Product Data Sheet**

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Product Name: L-ANAP  
Cat. No.: GC30253

**Chemical Properties**

Cas. No. 1313516-26-5

SMILES N[C@@H](CNC1=CC=C2C=C(C(C)=O)C=CC2=C1)C(O)=O

Formula C15H16N2O3 M.Wt 272.3

Solubility DMF: 10 mg/ml, DMSO: 10 mg/ml, Ethanol: 0.5 mg/ml Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

**Background**

L-ANAP is an unnatural amino acid with intrinsic fluorescence that can be genetically encoded into proteins.<sup>1</sup> This technology allows incorporation of L-ANAP into virtually any site on a protein, providing a unique method for imaging biological processes *in vivo*.

1. Lee, H.S., Guo, J., Lemke, E.A., et al. Genetic incorporation of a small, environmentally sensitive, fluorescent probe into proteins in *Saccharomyces cerevisiae*. *J. Am. Chem. Soc.* 131(36):12921-12923 (2009)

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

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