

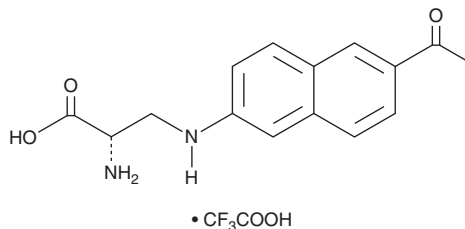
# PRODUCT INFORMATION



## L-ANAP (trifluoroacetate salt)

Item No. 15436

**CAS Registry No.:** 2287346-69-2  
**Formal Name:** 3-[[6-acetyl-2-naphthalenyl)amino]-L-alanine, monotrifluoroacetate salt  
**MF:** C<sub>15</sub>H<sub>16</sub>N<sub>2</sub>O<sub>3</sub> • CF<sub>3</sub>COOH  
**FW:** 386.3  
**Purity:** ≥95%  
**UV/Vis.:** λ<sub>max</sub>: 227, 247, 350 nm  
**Supplied as:** A crystalline solid  
**Storage:** -20°C  
**Stability:** ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Laboratory Procedures

L-ANAP (trifluoroacetate salt) is supplied as a crystalline solid. A stock solution may be made by dissolving the L-ANAP (trifluoroacetate salt) in the solvent of choice, which should be purged with an inert gas. L-ANAP (trifluoroacetate salt) is soluble in ethanol, DMSO and dimethyl formamide (DMF). The solubility of L-ANAP (trifluoroacetate salt) in these solvents is approximately 0.5 mg/ml in ethanol and approximately 10 mg/mg in DMSO and DMF.

### Description

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*.

### Reference

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).

**WARNING**  
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

**SAFETY DATA**  
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

**WARRANTY AND LIMITATION OF REMEDY**  
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### CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD  
ANN ARBOR, MI 48108 · USA

**PHONE:** [800] 364-9897  
[734] 971-3335

**FAX:** [734] 971-3640

CUSTSERV@CAYMANCHEM.COM  
WWW.CAYMANCHEM.COM