
Product Data Sheet

Product Name: UAA crosslinker 1 hydrochloride

Cat. No.: GC37851

Chemical Properties

Cas. No. 1994331-17-7

SMILES N[C@@H](CCCCNC(OCCN=[N+]=[N-])=O)C(O)=O.[H]ClFormula $C_9H_{18}ClN_5O_4$ M.Wt 295.72

Solubility Soluble in DMSO 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**

UAA crosslinker 1 hydrochloride is an amber codon used for non-canonical amino acids (ncAAs) incorporation. The ncAAs can be incorporated into proteins in vivo by making use of the promiscuous activity of certain wildtype and engineered aminoacyl-tRNA synthetases[1].

[1]. Kofoed C, et al. Semisynthesis of an Active Enzyme by Quantitative Click Ligation. *Bioconjug Chem.* 2019 Apr 17;30(4):1169-1174.

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

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