
Product Data Sheet

Product Name: Gln-AMS
Cat. No.: GC30683

Chemical Properties

Cas. No. 209543-57-7

SMILES O[C@@H]([C@H]([C@H](N1C=NC2=C1N=CN=C2N)O3)O)[C@H]3COS(=O)(NC([C@@H](N)CCC(N)=O)=O)=O

Formula C₁₅H₂₂N₈O₈S M.Wt 474.45

Solubility DMSO : 120 mg/mL (252.92 mM; Need ultrasonic) 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

Gln-AMS is an aminoacyl-tRNA synthetases (AARS) inhibitor, which binds the A-domain within the NRPS enzymes.

[1]. Fang P, et al. Structural basis for full-spectrum inhibition of translational functions on a tRNA synthetase. Nat Commun. 2015 Mar 31;6:6402. [2]. Atta-ur-Rahman, et al. Frontiers in Natural Product Chemistry.

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

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