
Product Data Sheet

Product Name: Chymase-IN-1

Cat. No.: GC31930

Chemical Properties

Cas. No. 862090-74-2

SMILES O=C(NC1=CC=C2C=CC=CC2=C1)C(P(O)(O)=O)C3=CSC4=CC=C(Cl)C=C43Formula C20H15ClNO4PS M.Wt 431.83

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**

Chymase-IN-1 is a potent, selective, orally active, nonpeptide inhibitor of human mast cell chymase with an IC₅₀ of 29 nM.

Chymase-IN-1 (compound 5f) is a potent, selective, orally active, nonpeptide inhibitor of human mast cell chymase with an IC₅₀ of 29 nM. Results demonstrate that Chymase-IN-1 has a chymase K_i value of 36 nM and a Cat G K_i value of 9500 nM[1].

Chymase-IN-1 exhibits low oral bioavailability in rats (F=3%; oral t_{1/2}=1.8 h)[1].

[1]. Greco MN, et al. Discovery of potent, selective, orally active, nonpeptide inhibitors of human mast cell chymase. J Med Chem. 2007 Apr 19;50(8):1727-30.

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

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