

Product Data Sheet

Product Name: GSK3145095

Cat. No.: GC15291

Chemical Properties

Cas. No. 1622849-43-7

SMILES FC1=CC(F)=CC2=C1NC([C@@H](NC(C3=NNC(CC4=CC=CC=C4)=N3)=O)CC2)=O

Formula $C_{20}H_{17}F_2N_5O_2$

M.Wt 397.38

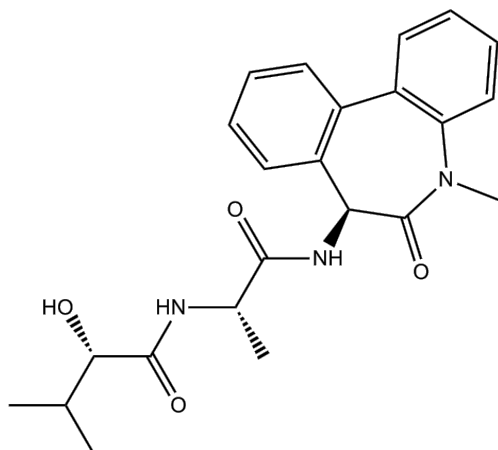
Solubility Soluble in DMSO

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

GSK3145095 is a RIP1 kinase inhibitor with an IC₅₀ of 6.3 nM [1].

IC₅₀: 6.3 nM (RIP1 kinase) [1]

GSK3145095 potently blocks the TNF response as shown by determination of overall cell viability as measured by cellular ATP levels (IC₅₀ = 1.6 nM), cell death as measured by LDH release (IC₅₀ =

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

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0.5 nM) and RIP1-dependent inflammatory cytokine MIP-1 β production, either as absolute levels for protein, or fold changes in mRNA expression (IC₅₀ = 0.4 nM) [1].

Reference:

[1]. Harris PA, ET AL. Identification of a RIP1 Kinase Inhibitor Clinical Candidate (GSK3145095) for the Treatment of Pancreatic Cancer. ACS Med Chem Lett. 2019 May 9;10(6):857-862.

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