
Product Data Sheet

Product Name: ALK-IN-6
 Cat. No.: GC35290

Chemical Properties

Cas. No. 2055821-33-3

SMILES C1C=CN=C(NC2=C(OC([2H])([2H])[2H])C=C(C3CCNCC3)C(C)=C2)N=C1NC4=CC=CC=C4S(=O)(C(C)C)=O

Formula $C_{26}H_{29}D_3ClN_5O_3S$ M.Wt 533.1

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

ALK-IN-6 (compound 11) is an orally bioavailable inhibitor of anaplastic lymphoma kinase (ALK), with IC50 values of 71 nM, 18.72 nM and 36.81 nM for ALK wild, ALK F1196M and ALK F1174L, respectively[1]. IC50: 71 nM (ALK wild), 18.72 nM (ALK F1196M), 36.81 nM (ALK F1174L)[1].

[1]. Das D, et al. Design, synthesis of orally bioavailable novel anaplastic lymphoma kinase (ALK) inhibitor diphenylaminopyrimidine analogs and efficacy study on NCI-H2228 xenografts mice model. Bioorg Med Chem Lett. 2019 Jun 15;29(12):1514-1517.

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

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