
Product Data Sheet

Product Name: AMG 18 hydrochloride

Cat. No.: GC50366

Chemical Properties

Cas. No. 2250019-92-0

SMILES CC1=C(C2=C(C(NS(=O)(=O)C3=C(C=CC=C3)Cl)=O)=CC=C2)C=C1)OC4=C(C5=NC(N[C@H]6CCCCNC6)=NC=C5)C=CC=N4.Cl

Formula $C_{31}H_{29}ClN_6O_3S.HCl$ M.Wt 637.58

Solubility Soluble in DMSO Storage Store at -20°C

General 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 Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice Condition upon request.

Structure

Background

Potent and selective IRE1 α inhibitor (IC₅₀ values are 13 and 99 nM for recombinant and cellular IRE1 α , respectively). Exhibits selectivity for IRE1 α in a panel of over 100 other kinases.

Harrington et al (2014) Unfolded protein response in cancer: IRE1 α inhibition by selective kinase ligands does not impair tumor cell viability. ACS Med.Chem.Lett. 6 68 PMID:25589933

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

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