

MPI0479605 HCl

SYN-1187

N6-cyclohexyl-N2-(2-methyl-4-morpholinophenyl)-9H-purine-2,6-diamine hydrochloride

CAS Registry No.: 1246529-32-7 (free base)

Smiles String:

CC1=C(NC2=NC(NC3CCCCC3)=C4C(NC=N4)=N2)C=CC(N5CCOCC5)=C1.Cl

Molecular Weight: 443.97

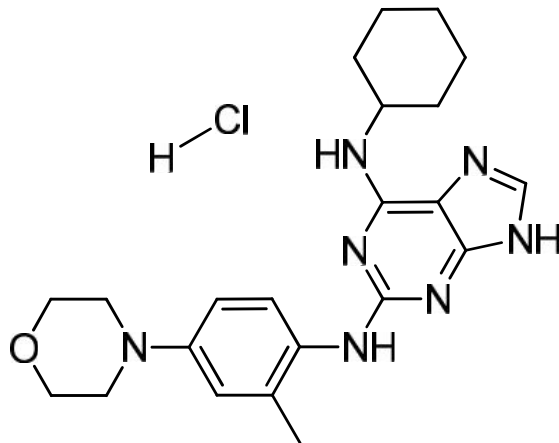
Molecular Formula: C₂₂H₃₀ClN₇O.HCl

Lot Number: Refer to vial

¹H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

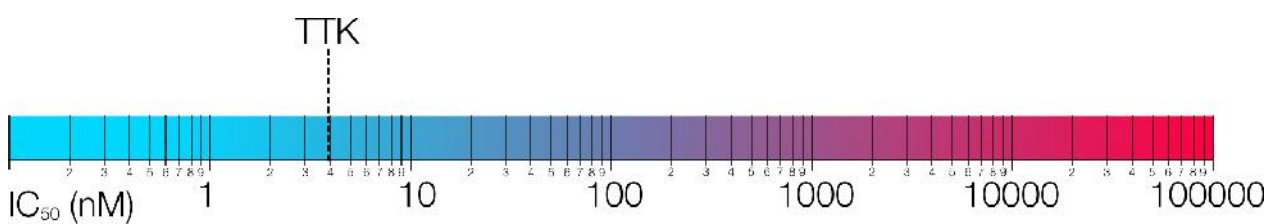
ES-MS: Available on request



Description:

MPI-0479605 inhibits TTK kinase activity in vitro with an IC₅₀ of 4 nM.

Biological Activity



Kinome Mapping

None

Shipping and Storage Temperature

Shipping:
Ambient

Storage:
2 years -20C, Powder 1 month, -4C in DMSO, More than one month -80C in DMSO

Solubility

20 mM in DMSO

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.4440	4.4400	8.8800	22.2000

References

1. Tardif KD, Rogers A, Cassiano J, Roth BL, Cimbora DM, McKinnon R, Peterson A, Douce TB, Robinson R, Dorweiler I, Davis T, Hess MA, Ostanin K, Papac DI, Baichwal V, McAlexander I, Willardsen JA, Saunders M, Christophe H, Kumar DV, Wettstein DA, Carlson RO, Williams BL. Characterization of the cellular and antitumor effects of MPI-0479605, a small-molecule inhibitor of the mitotic kinase Mps1. *Mol Cancer Ther.* 2011 Dec;10(12):2267-75. doi: 10.1158/1535-7163.MCT-11-0453. Epub 2011 Oct 6. PubMed PMID: 21980130.

Ordering Information

To order more of this or any other SYNkinase compound, go to synkinase.com, Call us Toll Free (US Only) at 1- 877-854-6273 or email orders@synkinase.com.

Product Datasheet (Rev. 1.1)