MRT67307 Inhibitor

PRODUCT OVERVIEW

Product Name	MRT67307, Inhibitor
Full Product Name	MRT67307 HCl (1190378-57-4 (free base))
Product Gene Name	MRT67307, inhibitor
Form/Format	Powder
Purity/Purification	98.00%
Preparation and Storage	Store at -20 degree C for 3 years powder; -80 degree C for 2 years in solvent For obtaining a higher solubility, please warm the tube at 37 degree C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20 degree C for several month.
Formula	C26H36N6O2·xHCl
Smiles	Cl.O=C(NCCCNc1nc(Nc2cccc(CN3CCOCC3)c2)ncc1C1CC1)C1CCC1
Receptor (IC50)	IKK: 160nM (cell free) TBK1: 19nM (cell free) ULK1: 45nM (cell free ULK2: 38nM (cell free)
Solubility	DMSO: 50mg/mL Water: 10mg/mL (<1mg/ml refers to the product slightly soluble or insoluble)
Product Categories/Family for MRT67307, inhibitor	Home; NF-kappab; IkappaB/IKK; MRT67307 HCl (1190378-57-4 (free base))
Related Product Information for MRT67307, inhibitor	MRT67307 is a kinase inhibitor of TBK1, MARK1-4, IKKepsilon, and NUAK1 (IC50: 19, 27-52, 160, and 230nM, respectively).
Product References and Citations for MRT67307, inhibitor	1. Clark K, et al. Novel cross-talk within the IKK family controls innate immunity. Biochem J. 2011 Feb 15;434 (1):93-104. 2. Petherick KJ, et al. Pharmacological inhibition of ULK1 kinase blocks mammalian target of rapamycin (mTOR)-dependent autophagy. J Biol Chem. 2015 May 1;290 (18):11376-83. 3. Clark K, et al. Phosphorylation of CRTC3 by the salt-inducible kinases controls the interconversion of classically activated and regulatory macrophages. Proc Natl Acad Sci U S A. 2012 Oct 16;109 (42):161986-91.
Other Notes	Small volumes of MRT67307, inhibitor vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MRT67307 purchase	MBS5751607 is an inhibitor targeting MRT67307. Also known as MRT67307 HCl (1190378-57-4 (free base)).

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/inhibitor/mrt67307/5751607