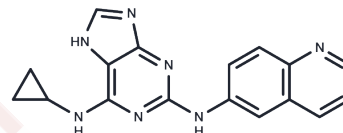


XC-302 free base

Chemical Properties

CAS No. :	916890-10-3
Formula:	C17H15N7
Molecular Weight:	317.35
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	XC-302 is a multi-targeted inhibitor, it induces autophagy of nasopharyngeal cancer cells via inhibiting the PI3K/AKT/mTOR signaling pathway.
Targets(IC50)	Others,Akt

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1511 mL	15.7555 mL	31.511 mL
5 mM	0.6302 mL	3.1511 mL	6.3022 mL
10 mM	0.3151 mL	1.5755 mL	3.1511 mL
50 mM	0.063 mL	0.3151 mL	0.6302 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Wang KF, Yang H, Jiang WQ, Li S, Cai YC. Puquitinib mesylate (XC-302) induces autophagy via inhibiting the PI3K/AKT/mTOR signaling pathway in nasopharyngeal cancer cells. *Int J Mol Med*. 2015 Dec;36(6):1556-62. doi: 10.3892/ijmm.2015.2378. PubMed PMID: 26499488; PubMed Central PMCID: PMC4678157.

Yang H, Wang Y, Zhan J, Xia Y, Sun P, Bi XW, Liu PP, Li ZM, Li S, Zou BY, Jiang WQ. Puquitinib mesylate, an inhibitor of phosphatidylinositol 3-kinase p110 δ , for treating relapsed or refractory non-Hodgkin's lymphoma. *Oncotarget*. 2015 Dec 22;6(41):44049-56. doi: 10.18632/oncotarget.5833. PubMed PMID: 26510909; PubMed Central PMCID: PMC4791286.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481