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DATASHEET

VX 702

Product overview

Name	VX 702
Cat No	HB1308
Biological action	Inhibitor
Purity	>98%
Description	Potent, selective ATP-competitive p38 MAPK inhibitor

Biological Data

Biological description	Potent and selective ATP-competitive p38 MAPK inhibitor (K_d values are 3.7 and 17 nM for p38 α and p38 β respectively). Also inhibits production of IL-6, IL-1 β and TNF α (IC_{50} values are 59, 122 and 99 ng/ml respectively). Exhibits no activity for ERKs and JNKs Displays anti-inflammatory properties.
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Solubility & Handling

Storage instructions	+4 °C
Solubility overview	Soluble in DMSO (100mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	6-[(Aminocarbonyl)(2,6-difluorophenyl)amino]-2-(2,4-difluorophenyl)-3-pyridinecarboxamide
Molecular Weight	404.32
Chemical structure	
Molecular Formula	$C_{19}H_{12}F_4N_4O_2$
CAS Number	745833-23-2
PubChem identifier	10341154
SMILES	<chem>NC(N(C3=C(F)C=CC=C3F)C1=CC=C(C(N)=O)C(C2=C(F)C=C(F)C=C2)=N1)=O</chem>
InChIKey	FYSRKRZDBHOFAY-UHFFFAOYSA-N

References

Selective p38 α inhibitors clinically evaluated for the treatment of chronic inflammatory disorders.

Goldstein DM *et al* (2010) J Med Chem 53(6)
PubMedID [19950901](#)

An inhibition of p38 mitogen activated protein kinase delays the platelet storage lesion.

Skipchenko A *et al* (2013) PLoS One 8(8)
PubMedID [23967093](#)

Drug evaluation: VX-702, a MAP kinase inhibitor for rheumatoid arthritis and acute coronary syndrome.

Ding C (2006) Curr Opin Investig Drugs 7(11)

