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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 p38α and p38β respectively). Also inhibits production of IL-6, IL-1β and TNFα (IC_{50} values are 59, 122 and 99 ng/ml respectively). Exhibits no activity for ERKs and JNKs Displays anti-inflammatory properties.

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-pyridinecarboxa mide
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	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
InChiKey	FYSRKRZDBHOFAY-UHFFFAOYSA-N

References

Selective p38alpha 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.

Skripchenko 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)

PubMedID	17117592