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## DATASHEET

VX 702

### Product overview

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

### Biological Data

<b>Biological description</b>	Potent and selective ATP-competitive p38 MAPK inhibitor ( $K_d$ values are 3.7 and 17 nM for p38 $\alpha$ and p38 $\beta$ respectively). Also inhibits production of IL-6, IL-1 $\beta$ and TNF $\alpha$ ( $IC_{50}$ 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

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

### Chemical Data

<b>Chemical name</b>	6-[(Aminocarbonyl)(2,6-difluorophenyl)amino]-2-(2,4-difluorophenyl)-3-pyridinecarboxamide
<b>Molecular Weight</b>	404.32
<b>Chemical structure</b>	
<b>Molecular Formula</b>	$C_{19}H_{12}F_4N_4O_2$
<b>CAS Number</b>	745833-23-2
<b>PubChem identifier</b>	10341154
<b>SMILES</b>	<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>
<b>InChiKey</b>	FYSRKRZDBHOFAY-UHFFFAOYSA-N

### References

#### Selective p38 $\alpha$ 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)

