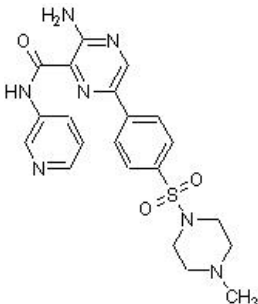


Product datasheet

AZD2858, GSK-3 inhibitor ab223889

Overview

Product name	AZD2858, GSK-3 inhibitor
Description	Selective GSK-3 inhibitor
Biological description	Selective GSK-3 inhibitor (IC_{50} = 68 nM) of tau phosphorylation at the S396 site, activating Wnt signaling pathway. Greater than 70-fold selective against a panel of other kinases, receptors and enzymes. Stabilizes β -catenin in human and rat mesenchymal stem cells, stimulates hADSC commitment towards osteoblasts and osteogenic mineralisation in vitro. Promotes <i>in vivo</i> increase of bone mass in rats.
Purity	> 99%
CAS Number	486424-20-8
Chemical structure	

Properties

Chemical name	3-Amino-6-[4-[(1-methyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl-2-pyrazinecarboxamide
Molecular weight	453.52
Molecular formula	$C_{21}H_{23}N_7O_3S$
PubChem identifier	10138980
Storage instructions	Shipped at 4°C. Store at -20°C long term.
Solubility overview	Soluble in DMSO to 15 mM and in 30% PEG400 + 0.5% Tween80 + 5% propylene glycol to 66 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room

temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

SMILES

CN1CCN(CC1)S(=O)(=O)C2=CC=C(C=C2)C3=CN=C(C(=N3)C(=O)NC4=CN=CC=C4)N

Source

Synthetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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- Response to your inquiry within 24 hours
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