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DATASHEET

RepSox

Product overview

Name	RepSox
Cat No	HB3301
Alternative names	E-616452, SJN 2511, ALK5 Inhibitor II
Biological action	Inhibitor
Purity	>99%
Description	Potent, selective TGF- β RI inhibitor. Enhances cellular reprogramming efficiency.

Biological Data

Biological description Potent, selective TGF- β RI/ALK5 inhibitor (IC_{50} values are 4 and 23 nM TGF- β RI autophosphorylation and binding respectively. Selective for TGF- β RI/ compared to a range of kinases (p38 MAPK, GSK-3, JNK1).

Enhances cellular reprogramming efficiency by replacing the Sox2 factor by inducing Nanog expression

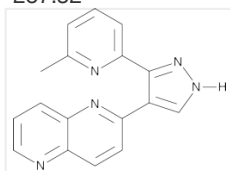
Solubility & Handling

Storage instructions	+4°C
Solubility overview	Soluble in DMSO (100mM) or ethanol (50mM)
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 2-(3-(6-Methylpyridine-2-yl)-1H-pyrazol-4-yl)-1,5-naphthyridine
Molecular Weight 287.32

Chemical structure



Molecular Formula $C_{17}H_{13}N_5$
CAS Number 446859-33-2
PubChem identifier 449054
SMILES CC1=NC(C2=NNC=C2C4=NC3=CC=CN=C3C=C4)=CC=C1
InChiKey LBPKYPYHDKKRFS-UHFFFAOYSA-N