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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-βRI inhibitor. Enhances cellular reprogramming efficiency.

Biological Data

Biological description

Potent, selective TGF- β RI/ALK5 inhibitor (IC₅₀ 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, INIC1)

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

Solubility & Handling

Solubility overview Storage instructions Storage of solutions Soluble in DMSO (100mM) or ethanol (50mM)

+4°C

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions

Important

Stable for ambient temperature shipping. Follow storage instructions on receipt.

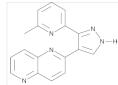
This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

Chemical Data

Chemical name Molecular Weight Chemical structure 2-(3-(6-Methylpyridine-2-yl)-1H-pyr azol-4-yl)-1,5-naphthyridine

287.32



Molecular Formula CAS Number PubChem identifier SMILES $C_{17}H_{13}N_5$ 446859-33-2 449054

CC1=NC(C2=NNC=C2C4=NC3=CC=CN=C3C=C4)=CC=C1

InChiKey LBPKYPYHDKKRFS-UHFFFAOYSA-N