

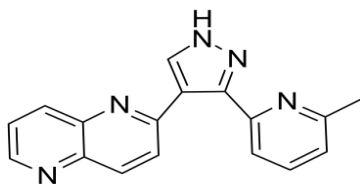
RepSox (CAS: 446859-33-2)

Catalog #: EBC51009

Biological Activity

Synonyms	Ladakamycin, NSC 102816, Vidaza
Chemical Name	2-[5-(6-methylpyridin-2-yl)-1H-pyrazol-4-yl]-1,5-naphthyridine
Application	RepSox is an ATP-competitive inhibitor of TGF- β RI kinase
CAS No.	446859-33-2
Purity	\geq 98.0%
Molecular Weight	287.32
Molecular Formula	C ₁₇ H ₁₃ N ₅
Shipping	Gel Pack
Storage	Store at -20° C
Target & IC₅₀	Autophosphorylation of TGF- β RI kinase: IC ₅₀ = 4 nM cellular assay of TGF β RI kinase: IC ₅₀ = 18 nM

Molecular Structure



Solubility

DMSO: 53 mg/mL (184.5 mM)

PS: < 1 mg/ml refers to the product insoluble

Description

RepSox is a cell permeable, potent, selective and ATP-competitive inhibitor of TGF- β RI kinase (IC₅₀=23nM, 4nM and 18nM for binding, auto-phosphorylation and cellular assay in HepG2 cells of TGF- β RI kinase, respectively). TGF β RI (ALK5) Inhibitor II affects a panel of 9 closely related kinases including p38 MAPK (IC₅₀ >16 μ M), minimally. ALK5 Inhibitor II has also been used as a basal media component for culturing human Pluripotent stem cells.

For Reserch Use Only. Not For Use In Diagnostic Procedures

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