

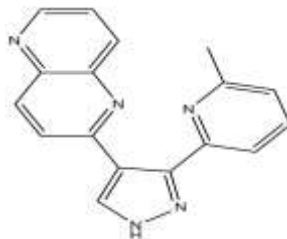
RepSox

ALTERNATE NAME: 2-[3-(6-Methyl-2-pyridinyl)-1H-pyrazol-4-yl]-1,5-naphthyridine;
E-616452

CATALOG #: 1894-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₇H₁₃N₅

MOLECULAR WEIGHT: 287.32

CAS NUMBER: 446859-33-2

APPEARANCE: Off-white solid

SOLUBILITY: DMSO (>20 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C

DESCRIPTION: Cell-permeable. A TGF-β type I receptor (ALK5) inhibitor. Inhibits ALK5 autophosphorylation (IC₅₀ = 4 nM). Can replace one of the four reprogramming factors Sox-2. RepSox has been successfully used in the direct reprogramming of mouse fibroblasts through induction of Nanog transcription.

REFERENCE: Ichida, J.K., *et al.* (2009). *Cell Stem Cell* **5**, 4910503;
Gellibert, F., *et al.* (2004). *J. Med. Chem.* **47**, 4494-4506.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- (+-)-BAY K 8644 (Cat. No. 1682-5)
- 5-Azacytidine (Cat. No. 1854-50, 250)
- 8-Br-cAMP (Cat. No. 1837-5, 25)
- BIX 01294 (Cat. No. 1678-5, 25)
- RG 108 (Cat. No. 1679-10, 30)
- PS48 (Cat. No. 1869-5, 25)
- Sodium Butyrate (Cat. No. 1609-1000)
- Thiazovivin (Cat. No. 1681-1, 5)
- EZSolution™ Thiazovivin (Cat. No. 1736-1)
- Tranlycypromine Hemisulfate (Cat. No. 1816-25, 100)
- Valproic Acid, Sodium Salt (Cat. No. 1647-200)