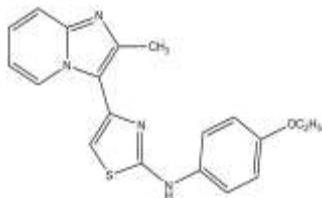


**JK 184**

CATALOG #: 1726-1

AMOUNT: 1 mg

STRUCTURE:



ALTERNATE NAME: N-(4-Ethoxyphenyl)-4-(2-methylimidazo[1,2-a]pyridin-3-yl)-2-thiazolamine

MOLECULAR FORMULA: C<sub>19</sub>H<sub>18</sub>N<sub>4</sub>OS

MOLECULAR WEIGHT: 350.44

CAS NUMBER: 315703-52-7

APPEARANCE: Beige solid

SOLUBILITY: DMSO (100 mM) and Ethanol (25 mM)

PURITY: ≥98% by HPLC

STORAGE: Store at -20°C

**DESCRIPTION:** An imidazopyridine derivative that acts as a potent downstream antagonist of Hedgehog(Hh) signaling pathway. JK184 functions by inhibiting class IV alcohol dehydrogenase (Aldh7) (IC<sub>50</sub> = 210 nM).

**REFERENCE:** Cupido, T., *et al.* (2009). *Angew. Chem. Int. Ed.Engl.* **48**, 2321-2324; Lee, J., *et al.* (2007). *Chembiochem* **8**, 1916-1919.

**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 in humans.**

**RELATED PRODUCTS:**

- Cyclopamine (**Cat. No. 1578-5**)
- Hh Signaling Pathway Antagonist (**Cat. No. 1659-1**)
- Purmorphamine (**Cat. No. 1672-5**)