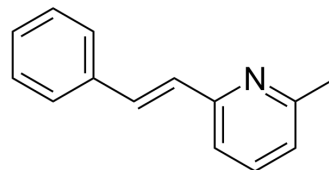


(E/Z)-SIB-1893

| | | | |
|--------------------|------------------------------------|-------|----------|
| Cat. No.: | HY-102094 | | |
| CAS No.: | 6266-99-5 | | |
| Molecular Formula: | C ₁₄ H ₁₃ N | | |
| Molecular Weight: | 195.26 | | |
| Target: | mGluR | | |
| Pathway: | GPCR/G Protein; Neuronal Signaling | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

| | | | | | |
|---|--|--------------------------|--------------|------------|------------|
| In Vitro | DMSO : 100 mg/mL (512.14 mM; Need ultrasonic) | | | | |
| | | Solvent Concentration | Mass 1 mg | 5 mg | 10 mg |
| | Preparing Stock Solutions | 1 mM | 5.1214 mL | 25.6069 mL | 51.2138 mL |
| | | 5 mM | 1.0243 mL | 5.1214 mL | 10.2428 mL |
| 10 mM | | 0.5121 mL | 2.5607 mL | 5.1214 mL | |
| Please refer to the solubility information to select the appropriate solvent. | | | | | |
| In Vivo | 1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (12.80 mM); Clear solution | | | | |

BIOLOGICAL ACTIVITY

| | |
|-------------|---|
| Description | (E/Z)-SIB-1893 is a racemic compound of (E)-SIB-1893 and (Z)-SIB-1893 isomers. (E)-SIB-1893 is a selective non-competitive metabotropic glutamate subtype 5 receptor (mGluR5) antagonist ^[1] . |
| In Vivo | (E)-SIB-1893 produces hypothermia in freely moving rats in a dose-dependent manner ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

[1]. Łuszczki JJ, et al. Non-competitive metabotropic glutamate subtype 5 receptor antagonist (SIB-1893) decreases body temperature in rats. *Pharmacol Rep.* 2005;57(6):795-801.

Caution: Product has not been fully validated for medical applications. For research use only.

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