

MAO-A/B-IN-4

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	MAO-A/B-IN-4 is an orally active inhibitor of MAO-A/B with IC50 values of 51.3 $\mu$ M and 47.0 $\mu$ M, respectively. It demonstrates potent activity against <i>S. aureus</i> , MSSA, MRSA, LRSA, and LREFa. In a mouse model of LRSA peritonitis infection, MAO-A/B-IN-4 shows significant antibacterial efficacy. It is applicable for research into bacterial infections.
Targets(IC50)	Monoamine Oxidase
In vitro	MAO-A/B-IN-4 (Compound D13) exhibits potent antibacterial activity against <i>S. aureus</i> , MSSA, MRSA, LRSA, and LREFa, with MIC values all below 1 $\mu$ g/mL.
In vivo	MAO-A/B-IN-4 (Compound D13) (2.5-40 mg/kg, administered orally 5 minutes and 6 hours post-infection) demonstrates a dose-dependent antibacterial effect in vivo in the ICR mouse LRSA peritonitis infection model.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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