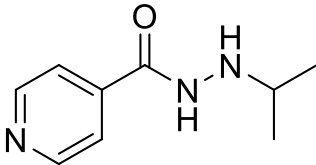


Product data sheet



MedKoo Cat#: 584442 Name: Iproniazid CAS: 54-92-2 Chemical Formula: C ₉ H ₁₃ N ₃ O Exact Mass: 179.1059 Molecular Weight: 179.223		
Product supplied as:	Powder	
Purity (by HPLC):	≥ 98%	
Shipping conditions	Ambient temperature	
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.	

1. Product description:

Iproniazid is a non-selective, irreversible monoamine oxidase (MAO) inhibitor (MAOI) that is used as an antidepressive agent.

2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMSO	67.5	376.63
Ethanol	35.0	195.29
Water	67.5	376.63

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	5.58 mL	27.90 mL	55.80 mL
5 mM	1.12 mL	5.58 mL	11.16 mL
10 mM	0.56 mL	2.79 mL	5.58 mL
50 mM	0.11 mL	0.56 mL	1.12 mL

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

1. Fagervall I, Ross SB. Inhibition of monoamine oxidase in monoaminergic neurones in the rat brain by irreversible inhibitors. Biochem Pharmacol. 1986 Apr 15;35(8):1381-7. doi: 10.1016/0006-2952(86)90285-6. PMID: 2870717.

7. Bioactivity

Biological target:

Iproniazid is a non-selective, irreversible monoamine oxidase (MAO) inhibitor of the hydrazine class. Iproniazid has antidepressive activity.

In vitro activity

TBD

In vivo activity

Product data sheet



The irreversible inhibition of monoamine oxidase (MAO) inside and outside monoaminergic neurones in the rat brain by the suicide inhibitors clorgyline, selegiline (l-deprenyl), pheniprazine, phenelzine, iproniazid, pargyline and the d- and l-enantiomers of tranylcypromine was determined.

Reference: Biochem Pharmacol. <https://pubmed.ncbi.nlm.nih.gov/2870717/>

Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.