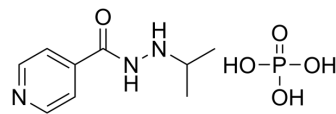


## Iproniazid phosphate

Cat. No.:	HY-B0886
CAS No.:	305-33-9
Molecular Formula:	C <sub>9</sub> H <sub>16</sub> N <sub>3</sub> O <sub>5</sub> P
Molecular Weight:	277.21
Target:	Monoamine Oxidase
Pathway:	Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (360.74 mM; Need ultrasonic)  
 H<sub>2</sub>O : ≥ 50 mg/mL (180.37 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		3.6074 mL	18.0369 mL	36.0737 mL
	5 mM		0.7215 mL	3.6074 mL	7.2147 mL
	10 mM		0.3607 mL	1.8037 mL	3.6074 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Iproniazid phosphate is a non-selective, irreversible monoamine oxidase (MAO) inhibitor of the hydrazine class. Iproniazid phosphate has antidepressive activity<sup>[1]</sup>.

### CUSTOMER VALIDATION

- Nat Commun. 2023 Oct 21;14(1):6682.
- Biotechnol Bioeng. 2021 Sep 3.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

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

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