

## Benserazide hydrochloride

## Chemical Properties

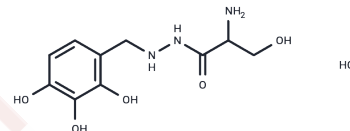
CAS No. : 14919-77-8  
 Formula: C<sub>10</sub>H<sub>15</sub>N<sub>3</sub>O<sub>5</sub>·HCl  
 Molecular Weight: 293.7

## Storage:

The compound is unstable in solution. Please use soon, Keep away from direct sunlight

Powder: -20°C for 3 years

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Benserazide hydrochloride (Ro 4-4602) is a peripherally-acting L-amino acid decarboxylase (AAAD) or DOPA decarboxylase inhibitor.
Targets(IC50)	Others,Dopamine Receptor,PKM

## Solubility Information

Solubility	Ethanol: 1 mg/mL (3.4 mM),Heating is recommended. DMSO: 252.5 mg/mL (859.72 mM),Sonication is recommended. H <sub>2</sub> O: 53 mg/mL (180.46 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.81 mM),The compound is unstable in solution, please use soon. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	3.4048 mL	17.0242 mL	34.0483 mL
5 mM	0.681 mL	3.4048 mL	6.8097 mL
10 mM	0.3405 mL	1.7024 mL	3.4048 mL
50 mM	0.0681 mL	0.3405 mL	0.681 mL

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Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Tashkhourian J, et al. Spectrochim Acta A Mol Biomol Spectrosc. 2011 Nov;82(1):25-30.

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