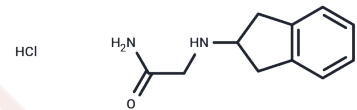


## Indantadol HCl

## Chemical Properties

CAS No. :	202914-18-9
Formula:	C <sub>11</sub> H <sub>15</sub> ClN <sub>2</sub> O
Molecular Weight:	226.7
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	Indantadol HCl (CHF-3381) is a NMDA antagonist and nonselective MAO inhibitor.
Targets(IC50)	MAO,NMDAR,iGluR
In vivo	In a human heat-capsaicin-induced pain model, Indantadol HCl at a dose of 500 mg effectively reduced the area of secondary hyperalgesia to 67%. Indantadol HCl undergoes extensive liver metabolism, with the formation of two major metabolites - CHF-3567 and 2-aminoindane. The drug is excreted in urine partially as the parent compound, but mostly as CHF-3567. The tolerability profile of Indantadol HCl at single doses up to 600 mg and twice-daily doses up to 400 mg in clinical trials was significantly more favorable than for other NMDA antagonists. Most side effects have been observed to be mild, and include dizziness and asthenia. Indantadol HCl is currently in phase II clinical trials in patients with diabetic peripheral neuropathic pain.[1]

## Solubility Information

Solubility	DMSO: 50 mg/mL (220.56 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	4.4111 mL	22.0556 mL	44.1112 mL
5 mM	0.8822 mL	4.4111 mL	8.8222 mL
10 mM	0.4411 mL	2.2056 mL	4.4111 mL
50 mM	0.0882 mL	0.4411 mL	0.8822 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

Mattia C, et al. Indantadol, a novel NMDA antagonist and nonselective MAO inhibitor for the potential treatment of neuropathic pain. *IDrugs*. 2007;10(9):636-644.

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