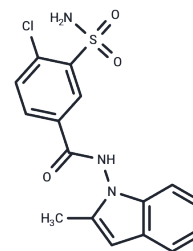


## Dehydroindapamide

## Chemical Properties

CAS No. :	63968-75-2
Formula:	C <sub>16</sub> H <sub>14</sub> ClN <sub>3</sub> O <sub>3</sub> S
Molecular Weight:	363.82
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	Dehydroindapamide is the indole form of Indapamide that serves as a quantitative analytical standard for measuring Indapamide turnover by CYP3A4, demonstrating approximately tenfold higher metabolic turnover than Indoline and slightly enhanced CYP3A4 affinity, thereby supporting detailed studies of drug metabolism, enzyme kinetics, and pharmacokinetic profiling.
Targets(IC50)	Cytochromes P450

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7486 mL	13.7431 mL	27.4861 mL
5 mM	0.5497 mL	2.7486 mL	5.4972 mL
10 mM	0.2749 mL	1.3743 mL	2.7486 mL
50 mM	0.055 mL	0.2749 mL	0.5497 mL

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

Sun H, et al. Dehydrogenation of the indoline-containing drug 4-chloro-N-(2-methyl-1-indoliny)-3-sulfamoylbenzamide (indapamide) by CYP3A4: correlation with in silico predictions. Drug Metab Dispos. 2009 Mar; 37(3):672-84.

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