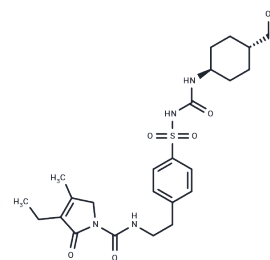


## trans-hydroxy Glimepiride

## Chemical Properties

CAS No. :	600177-94-4
Formula:	C <sub>24</sub> H <sub>34</sub> N <sub>4</sub> O <sub>6</sub> S
Molecular Weight:	506.62
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	trans-Hydroxy Glimepiride is an active metabolite of the sulfonylurea glimepiride, formed primarily in the liver by the cytochrome P450 (CYP) isoform CYP2C9.
Targets(IC50)	Others, Drug Metabolite

## Solubility Information

Solubility	DMSO: Very slightly soluble Methanol: Slightly soluble ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9739 mL	9.8693 mL	19.7387 mL
5 mM	0.3948 mL	1.9739 mL	3.9477 mL
10 mM	0.1974 mL	0.9869 mL	1.9739 mL
50 mM	0.0395 mL	0.1974 mL	0.3948 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

Langtry, H.D., and Balfour, J.A. Glimepiride. A review of its use in the management of type 2 diabetes mellitus. *Drugs* 55(4):563-584 (1998)

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