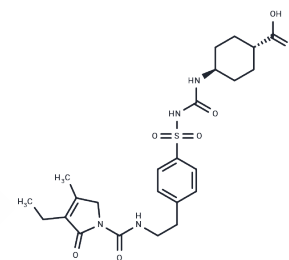


trans-carboxy Glimepiride

Chemical Properties

CAS No. :	1217739-04-2
Formula:	C ₂₄ H ₃₂ N ₄ O ₇ S
Molecular Weight:	520.6
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-carboxy Glimepiride is a metabolite of the sulfonylurea glimepiride. It is formed from glimepiride in a two-step process mediated by the cytochrome P450 (CYP) isoform CYP2C9 and cytosolic enzymes.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Slightly soluble Ethyl Acetate: Heated,sonicated (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9209 mL	9.6043 mL	19.2086 mL
5 mM	0.3842 mL	1.9209 mL	3.8417 mL
10 mM	0.1921 mL	0.9604 mL	1.9209 mL
50 mM	0.0384 mL	0.1921 mL	0.3842 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

Noh, K., Kim, E., Jeong, T.C., et al. Simultaneous determination of glimepiride and its metabolites in human plasma by liquid chromatography coupled to a tandem mass spectrometry Arch. Pharm. Res. 34(12)2073-2078(2011)

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481