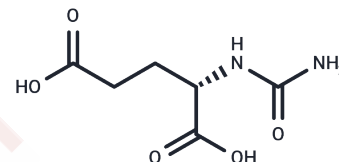


Carglumic Acid

Chemical Properties

CAS No. :	1188-38-1
Formula:	C ₆ H ₁₀ N ₂ O ₅
Molecular Weight:	190.15
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Carglumic Acid (Ureidoglutaric acid) is an orphan drug used to treat hyperammonemia in patients with N-acetyl glutamate synthase absence. This rare hereditary disease results in elevated blood levels of ammonia, which can eventually cross the blood-brain barrier and lead to neurologic problems, coma, cerebral edema, and death. Carglumic acid was approved by the U.S. FDA on 18 March 2010.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 45 mg/mL (236.66 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.259 mL	26.295 mL	52.5901 mL
5 mM	1.0518 mL	5.259 mL	10.518 mL
10 mM	0.5259 mL	2.6295 mL	5.259 mL
50 mM	0.1052 mL	0.5259 mL	1.0518 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.

Reference

Carglumic acid. Prescrire Int. 2008 Apr;17(94):50-1.

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