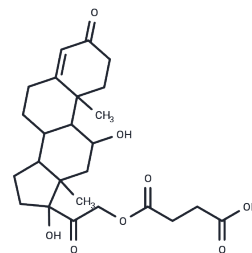


Hydrocortisone hemisuccinate

Chemical Properties

CAS No. :	2203-97-6
Formula:	C ₂₅ H ₃₄ O ₈
Molecular Weight:	462.53
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	Hydrocortisone hemisuccinate (hydrocortisone 21-hemisuccinate*free acid) is a corticosteroid used as an analytical and chromatography reagent.
Targets(IC50)	Glucocorticoid Receptor, Interleukin

Solubility Information

Solubility	DMSO: 245 mg/mL (529.7 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.32 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.162 mL	10.8101 mL	21.6202 mL
5 mM	0.4324 mL	2.162 mL	4.324 mL
10 mM	0.2162 mL	1.081 mL	2.162 mL
50 mM	0.0432 mL	0.2162 mL	0.4324 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

Alam, M., Ershad, R., & Rahman, M. (2012). Role of very short-term intravenous hydrocortisone in reducing postdural puncture headache. *Journal Of Anaesthesiology Clinical Pharmacology*, 28(2), 190. doi: 10.4103/0970-9185.94840

Lee, H., Kim, B., Choi, E., Choi, C., Kim, E., Kim, H., & Choi, J. (2012). Effects of Postnatal Dexamethasone or Hydrocortisone in a Rat Model of Antenatal Lipopolysaccharide and Neonatal Hyperoxia Exposure. *Journal Of Korean Medical Science*, 27(4), 395. doi: 10.3346/jkms.2012.27.4.395

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