

Dipotassium glycyrrhizinate

Chemical Properties

CAS No. : 68797-35-3

Formula: C42H60K2O16

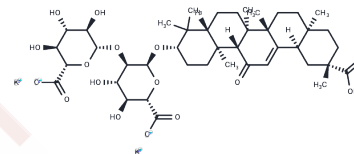
Molecular Weight: 899.12

Keep away from direct sunlight, Keep away from moisture

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	Dipotassium glycyrrhizinate is an anionic surfactant having anti-allergic and anti-inflammatory activities.
Targets(IC50)	Virus Protease
In vivo	KG has potential effectiveness in Atopic dermatitis(AD) treatment and AD-like skin equivalent models may be useful for understanding AD[1].

Solubility Information

Solubility	DMSO: 55 mg/mL (61.17 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	1.1122 mL	5.561 mL	11.122 mL
5 mM	0.2224 mL	1.1122 mL	2.2244 mL
10 mM	0.1112 mL	0.5561 mL	1.1122 mL
50 mM	0.0222 mL	0.1112 mL	0.2224 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

Lee S H , Bae I H , Choi H , et al. Ameliorating effect of dipotassium glycyrrhizinate on an IL-4- and IL-13-induced atopic dermatitis-like skin-equivalent model[J]. Archives of Dermatological Research, 2018.

Trotta M , Peira E , Debernardi F , et al. Elastic liposomes for skin delivery of dipotassium glycyrrhizinate[J]. International Journal of Pharmaceutics (Kidlington), 2002, 241(2):319-327.

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