
Product Data Sheet

Product Name: Stearoyl glutamic acid sodium

Cat. No.: GC69955

Chemical Properties

Cas. No. 38517-23-6

Formula $C_{23}H_{42}NNaO_5$

M.Wt 435.57

Solubility DMSO : 5 mg/mL (11.48 mM; Need ultrasonic)

Storage 4°C, away from moisture and light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Stearoyl glutamic acid sodium (Sodium stearoyl glutamate) is a anionic emulsifier, that can be used as the ingredient of cosmetic. Stearoyl glutamic acid sodium is also an anionic surfactant and an amino acid alkyl amide sensitizer, that may cause allergic contact dermatitis^{[1][2][3]}.

[1]. Guilherme Carneiro Leal, et al. Development, characterization, and evaluation by cutaneous bioengineering of a natural emulsion, to provide a standardized vehicle base for topical compounded preparations. Research, Society and Development, [S. l.], v.11, n.16, p.e509111638290, 2022.

[2]. Pralong P, Dendooven E, Aerts O. Sodium stearoyl glutamate: Another amino acid alkyl amide sensitizer in cosmetics. Contact Dermatitis. 2022 Nov;87(5):453-454.

[3]. Nazir I, Asim MH, Dizdarevi? A, Bernkop-Schnürch A. Self-emulsifying drug delivery systems: Impact of stability of drophobic ion pairs on drug release. Int J Pharm. 2019 Apr 20;561:197-205.

Caution: Product has not been fully validated for medical applications. For research use only.

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