

Product Data Sheet

Product Name: Cetyl tranexamate hydrochloride

Cat. No.: GC79735

Chemical Properties

Cas. No. 913541-96-5

Formula $C_{24}H_{48}ClNO_2$

M.Wt 418.1

Solubility Storage Store at 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.

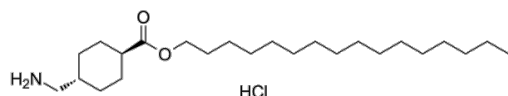
Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Structure



Background

Cetyl tranexamate (TXC) hydrochloride is an ester derivative of Tranexamic acid. Cetyl tranexamate hydrochloride is an inhibitor of fibrinogen activation and can reduce the production of fibrinogen in keratinocytes induced by ultraviolet rays or damage, indirectly inhibiting the melanin production pathway. Cetyl tranexamate hydrochloride also targets melanin (dark spots) and hemoglobin (red spots), reducing vascular dilation and pigmentation by inhibiting inflammatory mediators (such as prostaglandins, platelet activating factors). Cetyl tranexamate hydrochloride can be used as a cosmetic ingredient and is suitable for epidermal pigment disorders such as photoaging, post-inflammatory hyperpigmentation (PIH), and melasma [1].

References:

[1]. da Silva Souza ID, et al. New topical tranexamic acid derivative for the improvement of hyperpigmentation and inflammation in the sun-damaged skin. J Cosmet Dermatol. 2021

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