
Product Data Sheet

Product Name: Loteprednol Etabonate-d5

Cat. No.: GC68316

Chemical Properties

Cas. No. 2026643-11-6

Formula $C_{24}H_{26}D_5ClO_7$

M.Wt 471.98

Solubility DMSO : 100 mg/mL (211.87 mM; Need ultrasonic) Storage Store at -20°C

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

Loteprednol Etabonate D5 is a deuterium labeled Loteprednol etabonate. Loteprednol etabonate (LE) is an orally active "soft" steroid belonging to a unique class of glucocorticoids. Loteprednol etabonate (LE) exhibits anti-inflammatory activity and has been used in optometry and ophthalmology^{[1][2][3]}.

[1]. Howes JF. Loteprednol etabonate: a review of ophthalmic clinical studies. Pharmazie. 2000 Mar;55(3):178-83.

[2]. Pavesio CE, Decory HH. Treatment of ocular inflammatory conditions with loteprednol etabonate. Br J Ophthalmol. 2008 Apr;92(4):455-9.

[3]. Comstock TL, Decory HH. Advances in corticosteroid therapy for ocular inflammation: loteprednol etabonate. Int J Inflam. 2012;2012:789623.

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

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