



Loteprednol Etabonate

Catalog No: tcsc0900



Available Sizes

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

82034-46-6

Formula:

 $C_{24}H_{31}CIO_7$

Pathway:

GPCR/G Protein

Target:

Glucocorticoid Receptor

Purity / Grade:

>98%

Solubility:

DMSO : \geq 45 mg/mL (96.37 mM)

Observed Molecular Weight:

466.95

Product Description

Loteprednol Etabonate is an anti-inflammatory corticosteroid used in optometry and ophthalmology.

IC50 Value:





Target: Glucocorticoid Receptor

in vitro:

in vivo: Intravenous administration of loteprednol etabonate (5 mg/kg) to dogs revealed a terminal half-life of 2.8 h, a volume of distribution of 3.7 L/kg, and a total body clearance of 0.9 L/h/kg. Intact loteprednol etabonate was not detectable in the urine. After oral administration of the drug (5 mg/kg) to dogs, only metabolites, but no intact drug, were found in the plasma, an indication for a high first-pass effect. A pronounced binding of the drug to plasma protein (> 90%) and a high erythrocyte-buffer partition coefficient of 7.8 were determined in vitro.

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