

Product Data Sheet

Product Name: Desloratadine-d4

Cat. No.: GC47196

Chemical Properties

Cas. No. 2713301-38-1

SMILES C1C=CC(CCC2=C/3N=CC=C2)=C(C=C1)C3=C4C([2H])([2H])CNCC/4([2H])[2H]

Formula C₁₉H₁₅ClD₄N₂

M.Wt 314.9

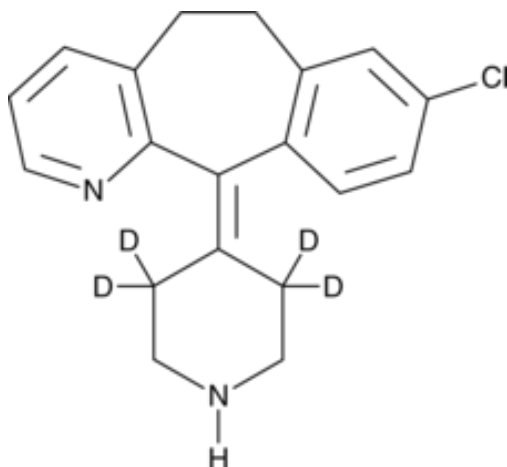
Solubility DMF: 30 mg/ml, DMSO: 10 mg/ml, Ethanol: 30 mg/ml

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

Desloratadine-d₄ is intended for use as an internal standard for the quantification of desloratadine by GC- or LC-MS. Desloratadine is an orally bioavailable metabolite of the non-sedating antihistamine

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

Product Data Sheet

loratadine .^{1,2} It is a tricyclic antagonist of the histamine H₁ receptor ($K_i = 0.97$ nM). Formulations containing desloratadine have been used in the treatment of seasonal allergic rhinitis and chronic idiopathic urticaria.

1.Lewis, T.A., Young, M.A., Arrington, M.P., et al.Cetirizine and loratadine-based antihistamines with 5-lipoxygenase inhibitory activityBioorganic & Medicinal Chemistry Letters14(22)5591-5594(2004)

2.Church, M.K., and Church, D.S.Pharmacology of antihistaminesIndian J. Dermatol.58(3)219-224(2013)

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