
Product Data Sheet

Product Name: Rupatadine D4 fumarate

Cat. No.: GC61256

Chemical Properties

Cas. No. 1795153-63-7

SMILES CC1=CN=CC(CN2C([2H])([2H])C/C(CC2([2H])[2H])=C3C4=CC=C(Cl)C=C4CCC5=CC=CN=C5\3)=C1.OC(/C=C/C(O)=O)=O

Formula $C_{30}H_{26}D_4ClN_3O_4$ M.Wt 536.05

Solubility 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**

Rupatadine D4 fumarate (UR-12592 D4 fumarate) is a deuterium labeled Rupatadine fumarate. Rupatadine Fumarate (UR-12592 Fumarate) is a potent dual PAF/H1 antagonist with K_i of 0.55/0.1 μ M (rabbit platelet membranes/guinea pig cerebellum membranes)[1][2][3].

[1]. Merlos M, et al. Rupatadine, a new potent, orally active dual antagonist of histamine and platelet-activating factor (PAF). J Pharmacol Exp Ther. 1997 Jan;280(1):114-21. [2]. Queralt M, et al. In vitro inhibitory effect of rupatadine on histamine and TNF-alpha release from dispersed canine skin mast cells and the human mast cell line HMC-1. Inflamm Res. 2000 Jul;49(7):355-60. [3]. Lv XX, et al. Rupatadine protects against pulmonary fibrosis by attenuating PAF-mediated senescence in rodents. PLoS One. 2013 Jul 15;8(7):e68631.

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
