

Product Data Sheet

Product Name: Emixustat hydrochloride (ACU-4429 hydrochloride)

Cat. No.: GC33763

Chemical Properties

Cas. No. 1141934-97-5

SMILES O[C@H](CCN)C1=CC(OCC2CCCCC2)=CC=C1.[H]Cl

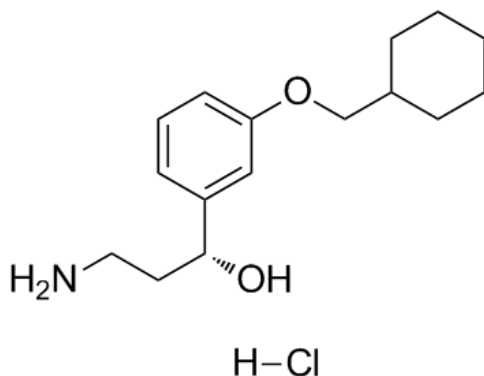
Formula $C_{16}H_{26}ClNO_2$ M.Wt 299.84

Solubility DMSO : ≥ 44 mg/mL (146.74 mM) Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

Emixustat hydrochloride strongly inhibits 11-cis-retinol production with IC_{50} values of 232 ± 3 nM. IC_{50} value: 232 nM [1] Target: 11-cis-retinol Emixustat hydrochloride is a novel visual cycle modulator, in healthy volunteers. Oral Emixustat was safe and well tolerated when administered once daily for 14 days with minimal systemic adverse events reported. Evaluation of emixustat in subjects with geographic atrophy associated with dry age-related macular degeneration.[2]

[1]. Kiser PD, et al. Catalytic mechanism of a retinoid isomerase essential for vertebrate vision. Nat

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

Chem Biol. 2015 Jun;11(6):409-15. [2]. Kubota R, et al. Phase 1, dose-ranging study of emixustat hydrochloride (ACU-4429), a novel visual cycle modulator, in healthy volunteers. Retina. 2014 Mar;34(3):603-9.

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