

Product Data Sheet

Product Name: Chst15-IN-1

Cat. No.: GC66472

Chemical Properties

Cas. No. 2158198-77-5

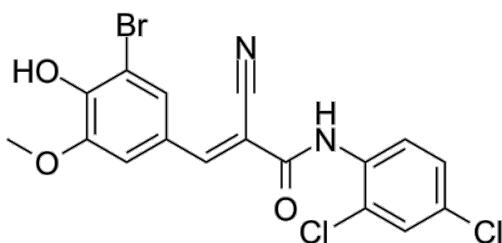
Formula $C_{17}H_{11}BrCl_2N_2O_3$ M.Wt 442.09

Solubility DMSO : 50 mg/mL (113.10 mM; ultrasonic and warming and heat to 60°C) 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

Chst15-IN-1 is a potent reversible covalent **Chst15** inhibitor. Chst15-IN-1 effectively inhibits chondroitin sulfate-E (**CS-E**) sulfation levels and other closely related **glycosaminoglycans (GAG) sulfotransferases**. Chst15-IN-1, as a selective **sulfotransferase** inhibitor, can diminish the inhibitory effects of chondroitin sulfate proteoglycans (CSPGs), and can be used for the stimulation of neuronal repair^[1].

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

Chst15-IN-1 (25 μ M; 24 hours; Neu7 astrocytes) is selective for sulfotransferases over the myriad of reactive cysteine-containing proteins. Chst15-IN-1 (10 and 25 μ M; Neu7 astrocytes) shows a significant dose dependent decrease in cell-surface CS-E expression^[1].

Chst15-IN-1 (3.0 mg/kg; i.v.) has a moderate clearance of 21 mL/min/kg, moderate volume of distribution of 0.97 L/kg, and short terminal half-life of 1.6 hours^[1].

Animal Model: Rats

Dosage: 3.0 mg/kg (Pharmacokinetic Analysis)

Administration: I.v.

Result: Had a moderate clearance of 21 mL/min/kg, moderate volume of distribution of 0.97 L/kg, and short terminal half-life of 1.6 h.

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