

Product Data Sheet

Product Name: Zotatifin
Cat. No.: GC39732

Chemical Properties

Cas. No. 2098191-53-6

SMILES N#CC1=CC=C([C@@]2(O3)[C@@](C4=C3C=C(OC)N=C4OC)(O)[C@H](O)[C@H](CN(C)C)[C@H]2C5=CC=CC=C5)C=C1

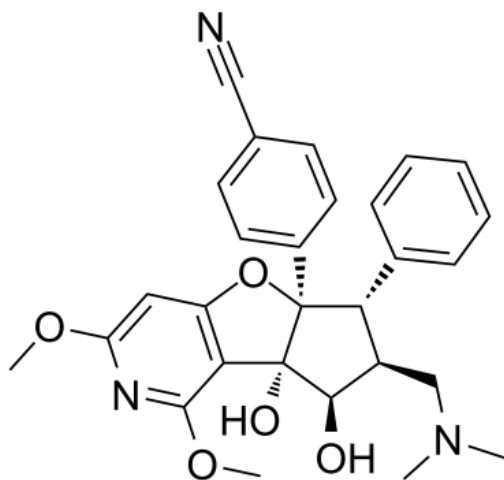
Formula $C_{28}H_{29}N_3O_5$ M.Wt 487.55

Solubility DMSO : 200 mg/mL (410.21 mM; Need ultrasonic) 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

Zotatifin (eFT226) is a potent, selective, and well-tolerated eIF4A inhibitor. Zotatifin promotes eIF4A binding to specific mRNA sequences with recognition motifs in the 5'-UTRs (IC₅₀=2 nM) and interferes with the assembly of the eIF4F initiation complex[1]. Zotatifin shows robust antiviral effects, it effectively reduces viral infectivity by inhibiting SARS-CoV-2 NP protein biogenesis (IC₉₀=37 nM) [2]. Zotatifin induces cell apoptosis[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

[1]. Peggy A. Thompson, et al. Preclinical Evaluation of eFT226, a Novel, Potent and Selective eIF4A Inhibitor with Anti-tumor Activity in B-cell Malignancies. [2]. Gordon DE, et al. A SARS-CoV-2 protein interaction map reveals targets for drug repurposing. Nature. 2020 Apr 30.

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