
Product Data Sheet

Product Name: rel-Zotatifin

Cat. No.: GC62639

Chemical Properties

Cas. No. 2098191-54-7

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

rel-Zotatifin is the racemic isomer of Zotatifin, acts as an eIF4A inhibitor with activity less than Zotatifin. 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 ($IC_{50}=2$ nM) and interferes with the assembly of the eIF4F initiation complex[1].

[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.

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