

Product Data Sheet

Product Name: BTR2000 TFA

Cat. No.: GC81019

Chemical Properties

Cas. No.

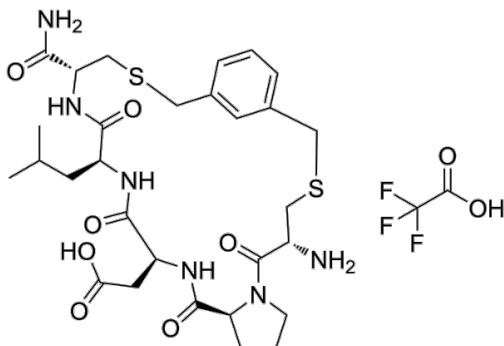
Formula $C_{31}H_{43}F_3N_6O_9S_2$ M.Wt 764.83

Solubility DMSO: 62.5 mg/mL (81.72 mM; Storage Store at -20°C
Need ultrasonic)

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

BTR2000 TFA, a specifically KLHL20 ligand, is capable of binding to the KLHL20 Kelch domain with

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

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high affinity. BTR2000 TFA can be used as a ligand for E3 ligase for the synthesis of BTR2004 [1]
[2].

References:

- [1]. Farrell BM, et, al. A synthetic KLHL20 ligand to validate CUL3KLHL20 as a potent E3 ligase for targeted protein degradation. Genes Dev. 2022 Sep 1;36(17-18):1031-1042.
- [2]. Fechtmeyer PH, et, al. Temporal and Spatial Characterization of CUL3KLHL20-driven Targeted Degradation of BET family, BRD Proteins by the Macrocyclic-based Degradation BTR2004. bioRxiv. 2024 Dec 7:2024.12.07.627262.

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