

Product Data Sheet

Product Name: G7-18NATE TFA

Cat. No.: GC74311

Chemical Properties

Cas. No.

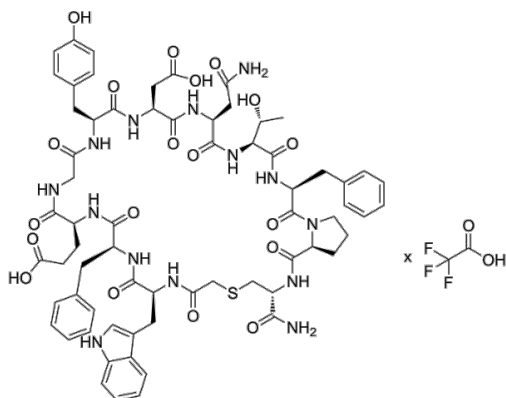
Formula $C_{67}H_{80}N_{14}O_{19}S \cdot xC_2HF_3O_2$ M.Wt 1417.50 (free base)

Solubility DMSO : 100 mg/mL (Need ultrasonic) Storage Sealed storage, away from moisture

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

G7-18NATE TFA is a peptide inhibitor of Grb7. G7-18NATE TFA binds to the Grb7-SH2 domain with

Caution: Product has not been fully validated for medical applications. For research use only.

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micromolar affinity ($K_d = 18.1 \mu\text{M}$). G7-18NATE TFA inhibits cell proliferation, motility, cell invasion and 3D culture formation in several cancer cell lines.

G7-18NATE ($10 \mu\text{M}$, 24 h) inhibits cell migration in MDA-MB-468 cells[2].

References:

- [1]. Sang J, et al. Evaluation of Cyclic Peptide Inhibitors of the Grb7 Breast Cancer Target: Small Change in Cargo Results in Large Change in Cellular Activity. *Molecules*. 2019 Oct 17;24(20):3739.
- [2]. Giricz O, et al. GRB7 is required for triple-negative breast cancer cell invasion and survival. *Breast Cancer Res Treat*. 2012 Jun;133(2):607-15.

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