Product Data Sheet

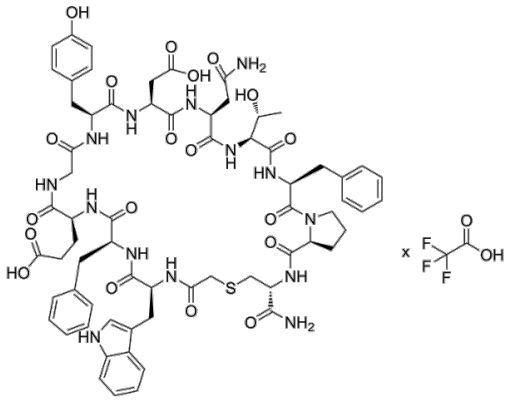
Product Name: G7-18NATE TFA
Cat. No.: GC74311

Chemical Properties

Cas. No.

Formula	$C_{67}H_{80}N_{14}O_{19}S.xC_2HF_3O_2$	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

micromolar affinity (Kd = 18.1 μM). G7-18NATE TFA inhibits cell proliferation, motility, cell invasion and 3D culture formation in several cancer cell lines.

G7-18NATE (10 μM, 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.