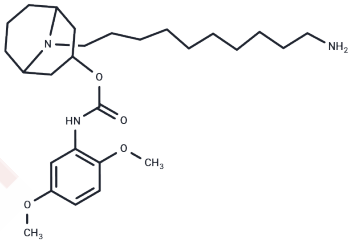
Data Sheet (Cat.No.T26245)

SW43

Chemical Properties



CAS No. : 1421931-15-8

Formula: C27H45N3O4

Molecular Weight: 475.66

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	SW43 is a selective ligand of sigma-2 receptor.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1023 mL	10.5117 mL	21.0234 mL
5 mM	0.4205 mL	2.1023 mL	4.2047 mL
10 mM	0.2102 mL	1.0512 mL	2.1023 mL
50 mM	0.042 mL	0.2102 mL	0.4205 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Ludwig JM, Xing M, Gai Y, Sun L, Zeng D, Kim HS. Targeted Yttrium 89-Doxorubicin Drug-Eluting Bead-A Safety and Feasibility Pilot Study in a Rabbit Liver Cancer Model. Mol Pharm. 2017 Aug 7;14(8):2824-2830. doi: 10.1021/acs.molpharmaceut.7b00336. Epub 2017 Jul 25. PubMed PMID: 28700244.

McDonald ES, Mankoff J, Makvandi M, Chu W, Chu Y, Mach RH, Zeng C. Sigma-2 ligands and PARP inhibitors synergistically trigger cell death in breast cancer cells. Biochem Biophys Res Commun. 2017 May 6;486(3):788-795. doi: 10.1016/j.bbrc.2017.03.122. Epub 2017 Mar 24. PubMed PMID: 28347815.

Ludwig JM, Gai Y, Sun L, Xiang G, Zeng D, Kim HS. SW43-DOX ± loading onto drug-eluting bead, a potential new targeted drug delivery platform for systemic and locoregional cancer treatment - An in vitro evaluation. Mol Oncol. 2016 Aug;10(7):1133-45. doi: 10.1016/j.molonc.2016.05.003. Epub 2016 May 21. PubMed PMID: 27262893; PubMed Central PMCID: PMC4972658.

Hashim YM, Spitzer D, Vangveravong S, Hornick MC, Garg G, Hornick JR, Goedegebuure P, Mach RH, Hawkins WG. Targeted pancreatic cancer therapy with the small molecule drug conjugate SW IV-134. Mol Oncol. 2014 Jul;8(5):956-67. doi: 10.1016/j.molonc.2014.03.005. Epub 2014 Mar 26. PubMed PMID: 24731702; PubMed Central PMCID: PMC4082741.