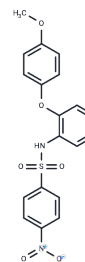


ERR α antagonist-2

Chemical Properties

CAS No. :	3032965-02-6
Formula:	C ₁₉ H ₁₆ N ₂ O ₆ S
Molecular Weight:	400.41
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	ERR α antagonist-2 (Compound 11) is an estrogen-related receptor α inverse agonist with an IC ₅₀ of 0.80 μ M, capable of inhibiting migration and invasion in ER-negative MDA-MB-231 cells and suppressing breast cancer growth.
Targets(IC ₅₀)	Estrogen Receptor/ERR, Estrogen/progestogen Receptor

Solubility Information

Solubility	DMSO: 200 mg/mL (499.49 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4974 mL	12.4872 mL	24.9744 mL
5 mM	0.4995 mL	2.4974 mL	4.9949 mL
10 mM	0.2497 mL	1.2487 mL	2.4974 mL
50 mM	0.0499 mL	0.2497 mL	0.4995 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

Zhipei Gao, et al. The discovery of a novel series of potential ERR α inverse agonists based on p-nitrobenzenesulfonamide template for triple-negative breast cancer in vivo. J Enzyme Inhib Med Chem. 2022 Dec; 37(1):125-134.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481