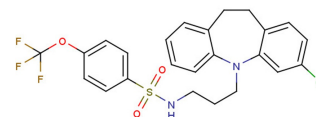


RTC-5

Chemical Properties

CAS No.: 1423077-49-9
Formula: C₂₄H₂₂ClF₃N₂O₃S
Molecular Weight: 510.96
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	RTC-5 demonstrated efficacy against a xenograft model of an EGFR driven cancer without the neurotropic effects exhibited by the parent molecules. Its effects were attributed to concomitant negative regulation of PI3K-AKT and RAS-ERK signaling
Targets(IC ₅₀)	EGFR: None
In vitro	H1650 lung adenocarcinoma cell growth inhibited by RTC-5 (0-40 μ M; 48 hours) (GI ₅₀ of 12.6 μ M). RTC-5 (20-40 μ M; 24 hours) negatively regulates PI3K-AKT and RAS-ERK pathways by decreasing phospho-AKT and phospho-ERK levels expression.

Solubility Information

Solubility	DMSO: 15 mg/mL (29.36 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.957 mL	9.786 mL	19.571 mL
5 mM	0.391 mL	1.957 mL	3.914 mL
10 mM	0.196 mL	0.979 mL	1.957 mL
50 mM	0.039 mL	0.196 mL	0.391 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Kastrinsky DB, et al. Reengineered tricyclic anti-cancer agents. Bioorg Med Chem. 2015 Oct 1;23(19):6528-34.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481