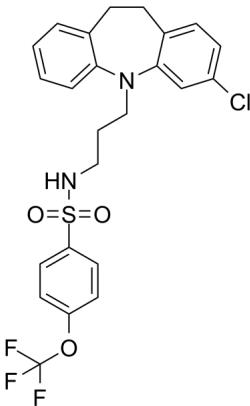


Data Sheet

Product Information

Catalog Number	BP10505
Product Name	RTC-5
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&IC50	EGFR:
CAS No.	1423077-49-9
Chemical Formula	C ₂₄ H ₂₂ ClF ₃ N ₂ O ₃ S
Molecular Weight	510.96
Solubility	DMSO: 15 mg/mL (29.36 mM), Need ultrasonic
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 <p>The chemical structure of RTC-5 is a complex molecule. It features a central nitrogen atom (N) that is part of a bicyclic system consisting of a benzene ring fused to a seven-membered ring. This nitrogen is also bonded to a 4-chlorophenyl group. A propyl chain (CH₂-CH₂-CH₂) is attached to the nitrogen atom, leading to a sulfonamide group (-NH-SO₂-). The sulfonamide group is further connected to a 4-(trifluoromethoxy)phenyl group, where the trifluoromethoxy group is represented as -O-CF₃.</p>

Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

v2 Revision on 12/28/2022

Purdue Bioscience Inc.