Creative Enzymes®

GDC-0980 (RG7422)

Cat. No. CEI-0835

Lot. No. (See product label)

Introduction

Description	GDC-0980 (RG7422) is a potent, class I PI3K inhibitor for PI3Kα/β/δ/γ with IC50 of 5 nM/27 nM/7 nM/14 nM, respectively. Also a mTOR inhibitor with Ki of 17 nM, and highly selective versus others PIKK family kinases. Phase 2.

Product Information

CAS No.	1032754-93-0
Molecular Formula	C23H30N8O3S
Chemical Name	(S)-1-(4-((2-(2-aminopyrimidin-5-yl)-7-methyl-4-morpholinothieno[3,2-d]pyrimidin-6-yl)methyl)piperazin-1-yl)-2-hydroxypropan-1-one
Molecular Weight	498.6
Targets	PI3Kα, PI3Kβ, PI3Kδ, PI3Kγ, mTOR
IC50	5 nM; 27 nM; 7 nM; 14 nM; 17 nM (Ki)
Solubility	DMSO 20 mg/mL; Water <1 mg/mL; Ethanol <1 mg/mL

Storage and Shipping Information

Storage	2 years -20 centigrade Powder; 2 weeks 4 centigrade in DMSO; 6 months -80 centigrade in DMSO.