

Product Information

PI3K inhibitor TGX-221, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ168

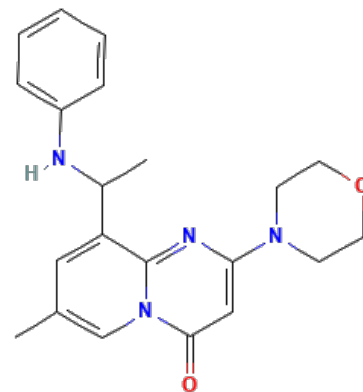
Size: 5 mg; 10mg; 25 mg; 100 mg

CAS Number: 663619-89-4

Compound CID: 9907093

Synonym: 663619-89-4; TGX221; PI3K inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	TGX-221, soluble in DMSO and insoluble in ethanol and water, is a potent compound that inhibits PI3 kinase activity. It targets p110 α , p110 δ , Abl, C2 α , CaMK, CaseinKinase2, CDK2/CyclinA, EGFR, ERK1, Fyn, and HER2.
Molecular Weight	364.4
Molecular Formula	C ₂₁ H ₂₄ N ₄ O ₂
Targets	p110 α : 5 μ M; p110 δ : 0.1 μ M; Abl: >10 μ M; C2 α : >10 μ M; CaMK: >10 μ M; CaseinKinase2: >10 μ M; CDK2/CyclinA: >10 μ M; EGFR: >10 μ M; ERK1: >10 μ M; Fyn: >10 μ M; HER2: >10 μ M
IUPAC Name	9-(1-Anilinoethyl)-7-methyl-2-morpholin-4-ylpyrido[1,2-a]pyrimidin-4-one
InChI	InChI=1S/C21H24N4O2/c1-15-12-18(16(2)22-17-6-4-3-5-7-17)21-23-19(13-20(26)25(21)14-15)24-8-10-27-11-9-24/h3-7,12-14,16,22H,8-11H2,1-2H3
InChI Key	CPRAGQJXBLMUEL-UHFFFAOYSA-N
Canonical SMILES	CC1=CN2C(=O)C=C(N=C2C(=C1)C(C)NC3=CC=CC=C3)N4CCOCC4
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 11 mg/mL (30.18 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	TGX-221 is utilized to investigate the inhibition of PI3K β and its implications in cancer and thrombosis research.



Storage

Store at -20°C.
