



Product Information

CFTR inhibitor PG 01, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ542

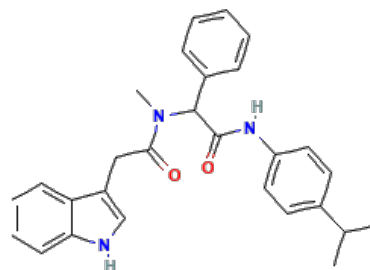
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 853138-65-5

Compound CID: 4695397

Synonym: 853138-65-5; CFTR inhibitor; PG01; PG-01

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



Product Information

Description	PG 01 blocks the activity of the cystic fibrosis transmembrane conductance regulator protein, which plays a crucial role in the movement of chloride ions across cell membranes.
Molecular Weight	439.55
Molecular Formula	C ₂₈ H ₂₉ N ₃ O ₂
IUPAC Name	2-[[2-(1 <i>H</i> -indol-3-yl)acetyl]-methylamino]-2-phenyl- <i>N</i> -(4-propan-2-ylphenyl)acetamide
InChI	InChI=1S/C28H29N3O2/c1-19(2)20-13-15-23(16-14-20)30-28(33)27(21-9-5-4-6-10-21)31(3)26(32)17-22-18-29-25-12-8-7-11-24(22)25/h4-16,18-19,27,29H,17H2,1-3H3,(H,30,33)
InChI Key	PQAYCXMQTUEDRD-UHFFFAOYSA-N
Canonical SMILES	CC(C)C1=CC=C(C=C1)NC(=O)C(C2=CC=CC=C2)N(C)C(=O)CC3=CNC4=CC=CC=C43
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	PG 01 is a CFTR inhibitor used in cystic fibrosis research to explore new therapeutic pathways for managing the disease.
Storage	Store at -20°C, and keep desiccated.