

Product Information

Bcr-Abl inhibitor CT-721, Purity ≥98%

Cat. No.: X24-06-ZQ441

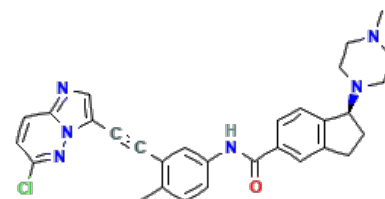
Size: 1 mg; 5 mg; 10 mg; 25 mg

CAS Number: 1388710-60-8

Compound CID: 152929610

Synonym: 1388710-60-8; Bcr-Abl inhibitor; CT721; CT -721

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



Product Information

Description	CT-721 specifically inhibits the activity of the Bcr-Abl tyrosine kinase.
Molecular Weight	525.04
Molecular Formula	C ₃₀ H ₂₉ ClN ₆ O
IUPAC Name	(1S)-N-[3-[2-(6-chloroimidazo[1,2-b]pyridazin-3-yl)ethynyl]-4-methylphenyl]-1-(4-methylpiperazin-1-yl)-2,3-dihydro-1H-indene-5-carboxamide
InChI	InChI=1S/C30H29ClN6O/c1-20-3-7-24(18-21(20)4-8-25-19-32-29-12-11-28(31)34-37(25)29)33-30(38)23-5-9-26-22(17-23)6-10-27(26)36-15-13-35(2)14-16-36/h3,5,7,9,11-12,17-19,27H,6,10,13-16H2,1-2H3,(H,33,38)/t27-/m0/s1
InChI Key	UKRXMBYVZRAMAF-MHZLTWQESA-N
Canonical SMILES	CC1=C(C=C(C=C1)NC(=O)C2=CC3=C(C=C2)C(CC3)N4CCN(CC4)C)C#CC5=CN=C6N5N=C(C=C6)Cl
Isomeric SMILES	CC1=C(C=C(C=C1)NC(=O)C2=CC3=C(C=C2)[C@H](CC3)N4CCN(CC4)C)C#CC5=CN=C6N5N=C(C=C6)Cl
Form	Lyophilized powder
Purity	≥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	CT-721 focuses on interfering with the Bcr-Abl signaling pathway, relevant for treating Philadelphia



chromosome-positive leukemias.

Storage

Store at -20°C, and keep desiccated.
