CD BioGlyco
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Bcr-Abl inhibitor CHMFL-ABL-121, Purity ≥98%

Cat. No.: X24-06-ZQ438

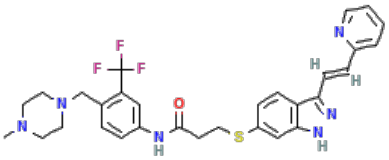
Size: 1 mg; 5 mg; 10 mg; 25 mg

CAS Number: 2270879-07-5

Compound CID: 138454771

Synonym: 2270879-07-5; Bcr-Abl inhibitor

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



Product Information

Description	CHMFL-ABL-121 specifically inhibits the activity of the Bcr-Abl tyrosine kinase. It targets ABL wt and ABL-T315I.
Molecular Weight	580.67
Molecular Formula	$C_{30}H_{31}F_3N_6OS$
Targets	ABL wt: 2 nM; ABL-T315I: 0.2 nM
IUPAC Name	*N*-[4-[(4-methylpiperazin-1-yl)methyl]-3-(trifluoromethyl)phenyl]-3-[[3-[(*E*)-2-pyridin-2-ylethenyl]-1*H*-indazol-6-yl]sulfanyl]propanamide
InChI	InChI=1S/C30H31F3N6OS/c1-38-13-15-39(16-14-38)20-21-5-6-23(18-26(21)30(31,32)33)35-29(40)11-17-41-24-8-9-25-27(36-37-28(25)19-24)10-7-22-4-2-3-12-34-22/h2-10,12,18-19H,11,13-17,20H2,1H3,(H,35,40)(H,36,37)/b10-7+
InChI Key	UDEAKWSKOGAXIJ-JXMROGBWSA-N
Canonical SMILES	CN1CCN(CC1)CC2=C(C=C(C=C2)NC(=O)CCSC3=CC4=C(C=C3)C(=NN4)C=CC5=CC=CC=N5)C(F)(F)F
Isomeric SMILES	CN1CCN(CC1)CC2=C(C=C(C=C2)NC(=O)CCSC3=CC4=C(C=C3)C(=NN4)/C=C/C5=CC=CC=N5)C(F)(F)F
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.

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Quality Level	Research grade
Applications	CHMFL-ABL-121 targets the Bcr-Abl fusion kinase, providing insights for developing treatments for leukemia.
Storage	Store at -20ºC, and keep desiccated.