

Product Information

Bcr-Abl inhibitor GZD824 dimesylate, Purity $\geq 98\%$

Cat. No.: X24-06-ZQ467

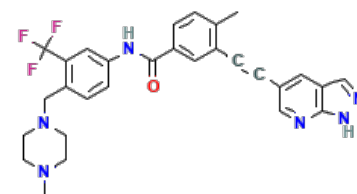
Size: 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 1421783-64-3

Compound CID: 71519689

Synonym: 1421783-64-3; Bcr-Abl inhibitor; GZD-824 Dimesylate

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



Product Information

Description	GZD824 dimesylate, soluble in DMSO and water and insoluble in ethanol, specifically inhibits the activity of the Bcr-Abl tyrosine kinase. It targets Abl (E255K), bl (M351T), Abl, Abl(G250E), Abl(H396P), Abl(Q252H), Abl(T315I), and Abl(Y253F).
Molecular Weight	724.77
Molecular Formula	C ₂₉ H ₂₇ F ₃ N ₆ O ₂ .2CH ₄ O ₃ S
Targets	Abl (E255K): 0.27 nM; bl (M351T): 0.29 nM; Abl: 0.34 nM; Abl (G250E): 0.71 nM; Abl (H396P): 0.35 nM; Abl (Q252H): 0.15 nM; Abl (T315I): 0.68 nM; Abl (Y253F): 0.35 nM
IUPAC Name	Methanesulfonic acid;4-methyl-N-[4-[(4-methylpiperazin-1-yl)methyl]-3-(trifluoromethyl)phenyl]-3-[2-(1H-pyrazolo[3,4-b]pyridin-5-yl)ethynyl]benzamide
InChI	InChI=1S/C29H27F3N6O.2CH4O3S/c1-19-3-5-22(14-21(19)6-4-20-13-24-17-34-36-27(24)33-16-20)28(39)35-25-8-7-23(26(15-25)29(30,31)32)18-38-11-9-37(2)10-12-38;2*1-5(2,3)4/h3,5,7-8,13-17H,9-12,18H2,1-2H3,(H,35,39)(H,33,34,36);2*1H3,(H,2,3,4)
InChI Key	LEVIGHXVOVROGW-UHFFFAOYSA-N
Canonical SMILES	CC1=C(C=C(C=C1)C(=O)NC2=CC(=C(C=C2)CN3CCN(CC3)C)C(F)(F)F)C#CC4=CC5=C(NN=C5)N=C4.CS(=O)(=O)O.CS(=O)(=O)O
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 93 mg/mL (128.31 mM); Water: 93 mg/mL (128.31 mM); 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.
Quality Level	Research grade
Applications	GZD824 dimesylate has a similar application, focusing on overcoming resistance in chronic myeloid leukemia.
Storage	Store at -20°C, and keep desiccated.