

Product Information

Bcr-Abl inhibitor Dasatinib monohydrate, Purity $\geq 98\%$

Cat. No.: X24-06-ZQ367

Size: 500 mg; 1 g; 2 g; 5 g

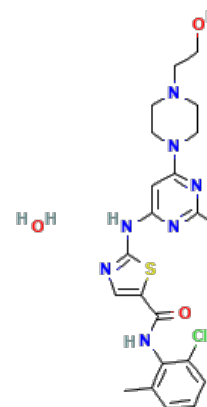
MDL: MFCD08704581

CAS Number: 863127-77-9

Compound CID: 11540687

Synonym: 863127-77-9; Bcr-Abl inhibitor; BMS354825

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



Product Information

Description	Dasatinib monohydrate specifically inhibits the activity of the Bcr-Abl tyrosine kinase. It targets Bcr-Abl, c-Kit, FGFR1, Her1, Her2, Ick, MEK, p38, PDGFR β , and Src.
Molecular Weight	506.02
Molecular Formula	C ₂₂ H ₂₈ ClN ₇ O ₃ S
Targets	Bcr-Abl: 1.0 nM; c-Kit: 5.0 nM; FGFR1: 880 nM; Her1: 180 nM; Her2: 710 nM; Ick: 0.4 nM; MEK: 1700 nM; p38: 100 nM; PDGFR β : 28 nM; Src: 0.5 nM; yes: 0.5 nM
IUPAC Name	<i>N</i> -(2-chloro-6-methylphenyl)-2-[[6-[4-(2-hydroxyethyl)piperazin-1-yl]-2-methylpyrimidin-4-yl]amino]-1,3-thiazole-5-carboxamide;hydrate
InChI	InChI=1S/C22H26ClN7O2S.H2O/c1-14-4-3-5-16(23)20(14)28-21(32)17-13-24-22(33-17)27-18-12-19(26-15(2)25-18)30-8-6-29(7-9-30)10-11-31;/h3-5,12-13,31H,6-11H2,1-2H3,(H,28,32)(H,24,25,26,27);1H2
InChI Key	XHXFZZNHDVTMLI-UHFFFAOYSA-N
Canonical SMILES	CC1=C(C(=CC=C1)Cl)NC(=O)C2=CN=C(S2)NC3=CC(=NC(=N3)C)N4CCN(CC4)CCO.O
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	Dasatinib monohydrate is examined in lab settings to inhibit Bcr-Abl and Src family kinases, offering



insights for chronic myeloid leukemia treatment.

Storage

Store at -20°C, and keep desiccated.
