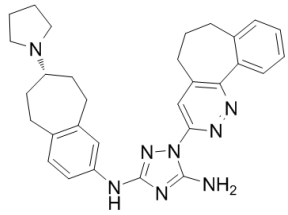


Product Name	: R428	
Synonyms	: BGB324	
Cat No.	: M10189	
CAS Number	: 1037624-75-1	
Molecular Formula	: C ₃₀ H ₃₄ N ₈	
Formula Weight	: 506.64	
Chemical Name	(S)-1-(6,7-dihydro-5H-benzo[6,7]cyclohepta[1,2-c]pyridazin-3-yl)-N3-(7-(pyrrolidin-1-yl)-6,7,8,9-tetrahydro-5H-benzo[7]annulen-2-yl)-1H-1,2,4-triazole-3,5-diamine	
Description	R428 (BGB324) is an inhibitor of Axl with IC ₅₀ of 14 nM, >100-fold selective for Axl versus Abl. Selectivity for Axl is also greater than Mer and Tyro3 (50-to-100- fold more selective) and InsR, EGFR, HER2, and PDGFRβ (100- fold more selective).	
Pathway	Tyrosine Kinase	
Target	TAM Receptor	
Receptor	AXL	
Solubility	DMSO:24 mg/mL warmed (47.37 mM)Ethanol:<1 mg/mL (<1 mM)Water: <1 mg/mL (<1 mM)	
SMILES	<chem>NC1=NC(NC2=CC=C3C(C[C@@H](N4CCCC4)CC3)=C2)=NN1C5=NN=C6C(CCCC7=CC=CC=C76)=C5</chem>	
Storage	(-20°C)	
Stability	≥ 2 years	
Reference		

1.Holland SJ, et al. Cancer Res, 2010, 70(4), 1544-1554.