MOLNOVA
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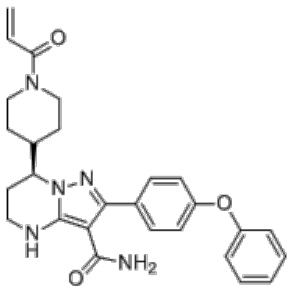
Datasheet (Version 1.0)



Product Name	:	(S)-Zanubrutinib
Synonyms	:	S)-Zanubrutinib;BGB3111;BGB 3111
Cat No.	:	M12579
CAS Number	:	1691249-45-2
Molecular Formula	:	C27H29N5O3
Formula Weight	:	471.56
Chemical Name	:	(7S)-4,5,6,7-Tetrahydro-7-[1-(1-oxo-2-propen-1-yl)-4-piperidinyl]-2-(4-phenoxyphenyl)pyrazolo[1,5-a]pyrimidine-3-carboxamide
Description	:	(S)-Zanubrutinib (BGB3111)is a potent, selective and orally available Btk inhibitor; shows much more restricted off-target activities against a panel of kinases, including ITK, compared with Ibrutinib; demonstrates nanomolar BTK inhibition activity, inhibits BCR aggregation-triggered BTK autophosphorylation, blocks downstream PLC-γ2 signaling, and potently inhibits cell proliferation in several MCL and DLBCL cell lines; demonstrates better anti-tumor activity than ibrutinib in TMD-8 subcutaneous xenograft model.
Pathway	:	Tyrosine Kinase
Target	:	BTK
Receptor	:	BTK
Solubility	:	DMSO : ≥ 56.75 mg/mL 120.35 mM; Ethanol : < 1 mg/mL
SMILES	:	C=CC(=O)N1CCC(CC1)C2CCNC3=C(C(=NN23)C4=CC=C(C=C4)OC5=CC=CC=C5)C(=O)N
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	

1. Na Li, et al. Abstract 2597: BGB-3111 is a novel and highly selective Bruton's tyrosine kinase (BTK) inhibitor. AACR.