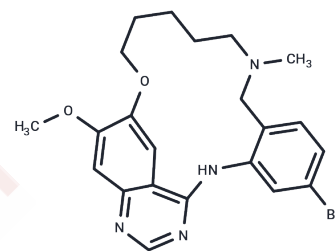


BGB-102

Chemical Properties

CAS No. :	807640-87-5
Formula:	C ₂₂ H ₂₅ BrN ₄ O ₂
Molecular Weight:	457.36
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	BGB-102 (JNJ-26483327) is a kinase inhibitor targeting FLT3 and YES1 and an antagonist targeting EGFR and VEGFR3, which may be useful in the study of macular degeneration and diseases associated with genetic disorders and malformations.
Targets(IC50)	EGFR,FLT,Src,VEGFR
In vitro	Herceptin was combined with pan HER inhibitor BGB-102 (1,5 or 10 μM) to treat SKBR3 cells for 1 hour. The results showed that herceptin combined with BGB-102 could terminate the PKB feedback loop and had a synergistic effect in inhibiting the growth of xenograft tumors[1].
In vivo	BT474 xenografts were treated with vehicle control, BGB-102 (75 mg/kg, orally twice daily), Herceptin (10 mg/kg; ip), or combination therapy of BGB-102 and Herceptin for 21 days, followed by observation for 120 days. The results indicated that the combination therapy of Herceptin with BGB-102 delayed the growth of BT474 xenograft tumors[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1865 mL	10.9323 mL	21.8646 mL
5 mM	0.4373 mL	2.1865 mL	4.3729 mL
10 mM	0.2186 mL	1.0932 mL	2.1865 mL
50 mM	0.0437 mL	0.2186 mL	0.4373 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Gijsen M, et al. HER2 phosphorylation is maintained by a PKB negative feedback loop in response to anti-HER2 herceptin in breast cancer. PLoS Biol. 2010 Dec 21;8(12):e1000563.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481