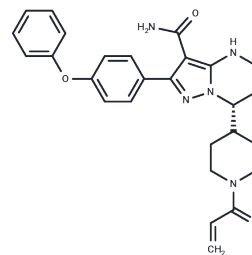


## (R)-Zanubrutinib

### Chemical Properties

CAS No. :	1691249-44-1
Formula:	C <sub>27</sub> H <sub>29</sub> N <sub>5</sub> O <sub>3</sub>
Molecular Weight:	471.55
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



### Biological Description

Description	(R)-Zanubrutinib ((R)-BGB-3111) is a selective inhibitor of Bruton tyrosine kinase (BTK).
Targets(IC50)	BTK

### Solubility Information

Solubility	DMSO: 57.8 mg/mL (122.57 mM), Sonication is recommended. Ethanol: < 1 mg/mL (insoluble or slightly soluble), insoluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (5.3 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1207 mL	10.6033 mL	21.2067 mL
5 mM	0.4241 mL	2.1207 mL	4.2413 mL
10 mM	0.2121 mL	1.0603 mL	2.1207 mL
50 mM	0.0424 mL	0.2121 mL	0.4241 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

Wu J, et al. Acalabrutinib (ACP-196): a selective second-generation BTK inhibitor. J Hematol Oncol. 2016 Mar 9;9:21.

Wu J, et al. Second-generation inhibitors of Bruton tyrosine kinase. J Hematol Oncol. 2016 Sep 2;9(1):80.

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