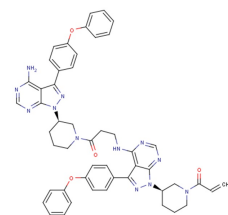


## Data Sheet (Cat.No.T11602)

### Ibrutinib dimer

#### Chemical Properties

CAS No.:	2031255-23-7
Formula:	C <sub>50</sub> H <sub>48</sub> N <sub>12</sub> O <sub>4</sub>
Molecular Weight:	880.99
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



#### Biological Description

Description	Ibrutinib dimer is an impurity of Ibrutinib. Ibrutinib dimer is a Dimer of Ibrutinib. Ibrutinib is an irreversible Btk inhibitor (IC <sub>50</sub> : 0.5 nM).
Targets(IC <sub>50</sub> )	Others: None

#### Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.135 mL	5.675 mL	11.351 mL
5 mM	0.227 mL	1.135 mL	2.27 mL
10 mM	0.114 mL	0.568 mL	1.135 mL
50 mM	0.023 mL	0.114 mL	0.227 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

#### Reference

- Somana Siva Prasad, et al. A QUALITY BY DESIGN APPROACH FOR DEVELOPMENT OF SIMPLE AND ROBUST REVERSED PHASE STABILITY INDICATING HPLC METHOD FOR ESTIMATION OF IBRUTINIB AND ITS IMPURITIES.
- Honigberg LA, et al. The Bruton tyrosine kinase inhibitor PCI-32765 blocks B-cell activation and is efficacious in models of autoimmune disease and B-cell malignancy. Proc Natl Acad Sci U S A. 2010 Jul 20;107(29):13075-80.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481