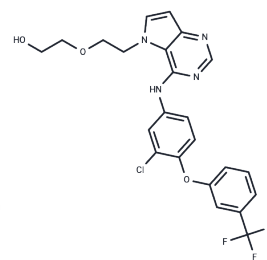


SYR127063

## Chemical Properties

CAS No. : 871026-18-5  
 Formula: C<sub>23</sub>H<sub>20</sub>ClF<sub>3</sub>N<sub>4</sub>O<sub>3</sub>  
 Molecular Weight: 492.88  
 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	SYR127063 (BDBM-92454) (BDBM92454) is a potent and selective HER2 inhibitor, binds to HER2 in a reactive conformation.
Targets(IC50)	EGFR,HER
In vitro	IC50 data: HER2 = 11 nM; EGFR = 429 nM; HER4 > 10000 nM

## Solubility Information

Solubility	DMSO: 55 mg/mL (111.59 mM),Sonication is recommended. H2O: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0289 mL	10.1445 mL	20.2889 mL
5 mM	0.4058 mL	2.0289 mL	4.0578 mL
10 mM	0.2029 mL	1.0144 mL	2.0289 mL
50 mM	0.0406 mL	0.2029 mL	0.4058 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

Aertgeerts K, Skene R, Yano J, Sang BC, Zou H, Snell G, Jennings A, Iwamoto K, Habuka N, Hirokawa A, Ishikawa T, Tanaka T, Miki H, Ohta Y, Sogabe S. Structural analysis of the mechanism of inhibition and allosteric activation of the kinase domain of HER2 protein. J Biol Chem. 2011 May 27;286(21):18756-65. doi: 10.1074/jbc.M110.206193. Epub 2011 Mar 30. PubMed PMID: 21454582; PubMed Central PMCID: PMC3099692.

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