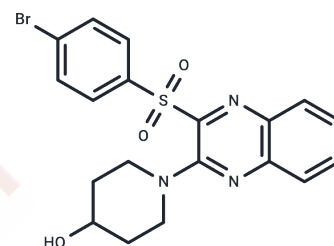


WR23

## Chemical Properties

CAS No. : 1350960-66-5  
 Formula: C<sub>19</sub>H<sub>18</sub>BrN<sub>3</sub>O<sub>3</sub>S  
 Molecular Weight: 448.33  
 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	WR23 is a piperidinylquinoxaline derivative and a phosphoinositide 3-kinase $\alpha$ (PI3K $\alpha$ ) inhibitor.
Targets(IC50)	Others,PI3K

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2305 mL	11.1525 mL	22.305 mL
5 mM	0.4461 mL	2.2305 mL	4.461 mL
10 mM	0.223 mL	1.1152 mL	2.2305 mL
50 mM	0.0446 mL	0.223 mL	0.4461 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

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- Wu P, Su Y, Guan X, Liu X, Zhang J, Dong X, Huang W, Hu Y. Identification of novel piperazinylquinoxaline derivatives as potent phosphoinositide 3-kinase (PI3K) inhibitors. *PLoS One*. 2012;7(8):e43171. doi: 10.1371/journal.pone.0043171. Epub 2012 Aug 14. PubMed PMID: 22905224; PubMed Central PMCID: PMC3419191.
- Kuopio T, Kankaanranta A, Jalava P, Kronqvist P, Kotkansalo T, Weber E, Collan Y. Cysteine proteinase inhibitor cystatin A in breast cancer. *Cancer Res*. 1998 Feb 1;58(3):432-6. PubMed PMID: 9458085.

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