

Hello Bio, Inc.  
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500  
F. 609-228-4994

customercare-usa@hellobio.com



## DATASHEET

BLZ-945

### Product overview

<b>Name</b>	BLZ-945
<b>Cat No</b>	HB4634
<b>Purity</b>	>95%
<b>Description</b>	Potent, selective colony stimulating factor 1 receptor (CSF-1R) inhibitor

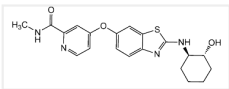
### Biological Data

<b>Biological description</b>	Orally active, potent and selective colony stimulating factor 1 receptor (CSF-1R) inhibitor. More than 1000-fold selective against its closest receptor tyrosine kinase homologs c-KIT and platelet-derived growth factor receptor beta (PDGFRbeta). Selective against more than 200 additional kinases.
-------------------------------	--

### Solubility & Handling

<b>Storage instructions</b>	+4 °C
<b>Solubility overview</b>	Soluble in DMSO
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	4-[[[2-[[[(1R,2R)-2-hydroxycyclohexyl]amino]-6-benzothiazolyl]oxy]-N-methyl-2-pyridinecarboxamide
<b>Molecular Weight</b>	398.5
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>20</sub> H <sub>22</sub> N <sub>4</sub> O <sub>3</sub> S
<b>CAS Number</b>	953769-46-5
<b>PubChem identifier</b>	46184986
<b>SMILES</b>	CNC(=O)C1=NC=CC(=C1)OC2=CC3=C(C=C2)N=C(S3)N[C@@H]4CCCC[C@H]4O
<b>InChi</b>	InChI=1S/C20H22N4O3S/c1-21-19(26)16-10-13(8-9-22-16)27-12-6-7-15-18(11-12)28-20(24-15)23-14-4-2-3-5-17(14)25/h6-11,14,17,25H,2-5H2,1H3,(H,21,26)(H,23,24)/t14-,17-/m1/s1
<b>InChiKey</b>	ADZBMFGQQWPHMJ-RHSMWYFYSA-N
<b>MDL number</b>	MFCD28142668
<b>Appearance</b>	Pale yellow solid