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DATASHEET

BI 7-945

Product overview

 Name
 BLZ-945

 Cat No
 HB4634

 Purity
 >95%

Description Potent, selective colony stimulating factor 1 receptor (CSF-1R) inhibitor

Biological Data

Biological description 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

Solubility overview Soluble in DMSO

Storage instructions +4°C

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions Stable for ambient temperature shipping. Follow storage instructions on receipt.

Important This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

Chemical Data

PubChem identifier

InChi

Chemical name 4-[[2-[[(1R,2R)-2-hydroxycyclohexyl]amino]-6-benzothiazolyl]oxy]-N-methyl-2-pyridinecarboxamide

Molecular Weight 398
Chemical structure

 Molecular Formula
 C20H22N4O3S

 CAS Number
 953769-46-5

SMILES CNC(=0)C1=NC=CC(=C1)OC2=CC3=C(C=C2)N=C(S3)N[C@@H]4CCC[C@H]4O

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

InChiKey ADZBMFGQQWPHMJ-RHSMWYFYSA-N

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MDL number MFCD28142668
Appearance Pale yellow solid