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

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

customercare-usa@hellobio.com



# **DATASHEET**

Sephin1

### **Product overview**

Name Sephin1
Cat No HB4296
Alternative names NSC65390
Biological action Inhibitor
Purity >95%

**Description** Selective PP1R15A inhibitor

## **Biological Data**

**Biological description** Selective inhibitor of the stress-induced Protein Phosphatase 1 Regulatory Subunit 15A (PP1R15A).

Guanabenz derivative. Does not bind the related PP1R15B. Protects cells from protein misfolding stress and prevents protein-misfolding diseases such as Charcot-Marie-Tooth 1B and amyotrophic

lateral sclerosis in vivo.

### Solubility & Handling

Soluble in DMSO (100 mM)

Storage instructions +4°

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**

Chemical name (E)-2-(2-Chlorobenzylidene)hydrazinecarboximidamide

Molecular Weight 196.64
Chemical structure

CI NH

 $\textbf{SMILES} \hspace{1cm} \textbf{C1=CC=C(C(=C1)/C=N/N=C(N)N)CI}$ 

InChi InChi=1S/C8H9CIN4/c9-7-4-2-1-3-6(7)5-12-13-8(10)11/h1-5H,(H4,10,11,13)/b12-5+

InChiKey PDWJALXSRRSUHR-LFYBBSHMSA-N

MDL number MFCD00790608

### References

Preventing proteostasis diseases by selective inhibition of a phosphatase regulatory subunit.

Das I et al (2015) Science 348(6231)