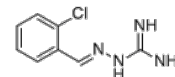


Product Name : Sephin 1
Cat. No. : PC-62320
CAS No. : 951441-04-6
Molecular Formula : C₈H₉ClN₄
Molecular Weight : 196.64
Target : Protein Phosphatase/PTP
Solubility : 10 mM in DMSO



Biological Activity

Sephin 1 (Icerguastat, NSC 65390) is a selective inhibitor of **PPP1R15A** that disrupts the PPP1R15A-PP1c complex but spares the related PPP1R15B-PP1c complex.

Sephin 1 prolongs eIF2 α phosphorylation after stress, attenuates the expression of stress genes such as CHOP, and protects cells from cytotoxic ER stress; lacks any measurable α 2-adrenergic agonist activity in a cell-based assay, in contrast to Guanabenz.

Sephin 1 safely prevents the motor, morphological, and molecular defects in mice.

References

Das I, et al. *Science*. 2015 Apr 10;348(6231):239-42.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com