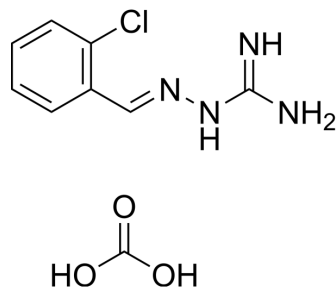


Icerguastat Carbonate

Cat. No.:	HY-110365
CAS No.:	1883549-35-6
Molecular Formula:	C ₉ H ₁₁ ClN ₄ O ₃
Molecular Weight:	258.66
Target:	Phosphatase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Icerguastat (Sephin1) Carbonate, a derivative of Guanabenz lacking the α 2-adrenergic activity, is a selective inhibitor of the phosphatase regulatory subunit PPP1R15A (R15A). Icerguastat Carbonate inhibits eIF2 α dephosphorylation, thereby prolonging the protective response. Anti-prion effect^{[1][2][3]}.

REFERENCES

- [1]. Chen Y, et al. Sephin1, which prolongs the integrated stress response, is a promising therapeutic for multiple sclerosis. *Brain*. 2019;142(2):344-361.
- [2]. Thapa S, et al. Sephin1 Reduces Prion Infection in Prion-Infected Cells and Animal Model. *Mol Neurobiol*. 2020;57(5):2206-2219.
- [3]. Das I, et al. Preventing proteostasis diseases by selective inhibition of a phosphatase regulatory subunit. *Science*. 2015;348(6231):239-242.

Caution: Product has not been fully validated for medical applications. For research use only.

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