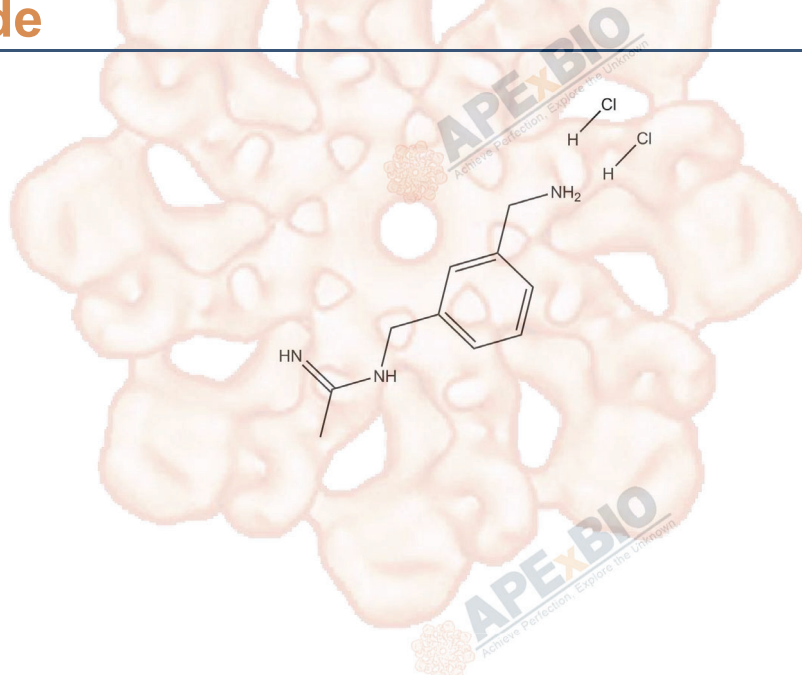


1400W dihydrochloride

Cat. No.:	B6730
CAS No.:	214358-33-5
Formula:	C ₁₀ H ₁₅ N ₃ ·2HCl
M.Wt:	250.17
Synonyms:	
Target:	Others
Pathway:	iNOS
Storage:	Desiccate at RT



Solvent & Solubility

≥25mg/mL in DMSO

In Vitro

Preparing Stock Solutions	Solvent Concentration	Mass		
		1mg	5mg	10mg
	1 mM	3.9973 mL	19.9864 mL	39.9728 mL
	5 mM	0.7995 mL	3.9973 mL	7.9946 mL
	10 mM	0.3997 mL	1.9986 mL	3.9973 mL

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary

iNOS inhibitor, potent and highly selective

IC₅₀ & Target

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Animal models: Rat model of endotoxin-induced microvascular injury

Dosage form: 0.1-10 mg/kg, subcutaneous

Applications: 1400W was a potent inhibitor against iNOS in a rat model of endotoxin-induced vascular injury. When administered 3 h after endotoxin, 1400W completely

suppressed leakage into the ileum. 1400W has an effect of endotoxin -induced vascular injury in the ileum.

Other notes:

Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal.

Product Citations

See more customer validations on www.apexbt.com.

References

[1] Garvey EP, Oplinger JA, Furfine ES, et al. 1400W is a slow, tight binding, and highly selective inhibitor of inducible nitric-oxide synthase in vitro and in vivo. J Biol Chem, 1997, 272(8): 4959-4963.

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

APExBIO Technology

www.apexbt.com

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: info@apexbt.com