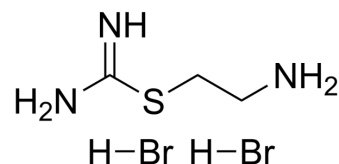


AE-ITU dihydrobromide

Cat. No.:	HY-131929
CAS No.:	56-10-0
Molecular Formula:	C ₃ H ₁₁ Br ₂ N ₃ S
Molecular Weight:	281.01
Target:	NO Synthase
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AE-ITU dihydrobromide is the dihydrobromide form of AE-ITU. AE-ITU dihydrobromide is a selective inhibitor for inducible NO synthase (iNOS), and attenuates the liver dysfunction caused by endotoxaemia in rats ^[1] .								
IC₅₀ & Target	iNOS								
In Vivo	<p>AE-ITU dihydrobromide (1 mg/kg/h, i.v., for 1 hour) attenuates the delayed hypotension and vascular hyporeactivity, ameliorates liver dysfunction in LPS (HY-D1056)-administrated Wistar rats^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>LPS (HY-D1056)-administrated Wistar rats^[1]</td> </tr> <tr> <td>Dosage:</td> <td>1 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>i.v., 1 mg/kg/h for 1 hour</td> </tr> <tr> <td>Result:</td> <td>Reduced the serum levels of bilirubin, serum nitrite, GOT, GPT and γGT caused by LPS, inhibited iNOS in lung and liver homogenates.</td> </tr> </table>	Animal Model:	LPS (HY-D1056)-administrated Wistar rats ^[1]	Dosage:	1 mg/kg	Administration:	i.v., 1 mg/kg/h for 1 hour	Result:	Reduced the serum levels of bilirubin, serum nitrite, GOT, GPT and γGT caused by LPS, inhibited iNOS in lung and liver homogenates.
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REFERENCES

[1]. Thiemeermann C, et al., The multiple organ dysfunction syndrome caused by endotoxin in the rat: attenuation of liver dysfunction by inhibitors of nitric oxide synthase. Br J Pharmacol. 1995 Dec;116(7):2845-51.

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

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