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Produktinformation



Forschungsprodukte & Biochemikalien



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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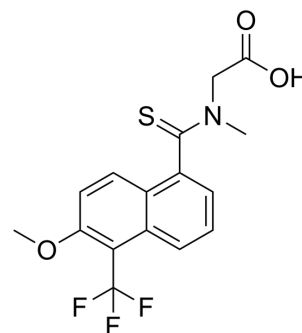
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Tolrestat (Standard)

Cat. No.:	HY-16500R
CAS No.:	82964-04-3
Molecular Formula:	C ₁₆ H ₁₄ F ₃ NO ₃ S
Molecular Weight:	357.35
Target:	Aldose Reductase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Tolrestat (Standard) is the analytical standard of Tolrestat. This product is intended for research and analytical applications. Tolrestat is a potent, orally active aldose reductase inhibitor with IC ₅₀ of 35 nM.
IC₅₀ & Target	IC50: 35 nM (Aldose Reductase)

REFERENCES

- [1]. Sestanji K, et al. N-[5-(trifluoromethyl)-6-methoxy-1-naphthalenyl]thioxomethyl]-N-methylglycine (Tolrestat), a potent, orally active aldose reductase inhibitor. *J Med Chem.* 1984 Mar;27(3):255-6.
- [2]. Simard-Duquesne N, et al. The effects of a new aldose reductase inhibitor (tolrestat) in galactosemic and diabetic rats. *Metabolism.* 1985 Oct;34(10):885-92.
- [3]. Srivastava S, et al. Aldose reductase protects against early atherosclerotic lesion formation in apolipoprotein E-null mice. *Circ Res.* 2009 Oct 9;105(8):793-802.

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

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