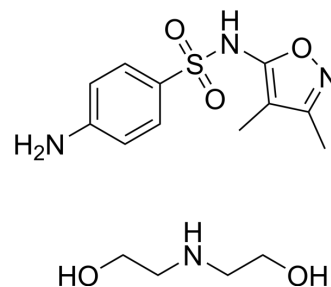


Sulfisoxazole diethanolamine

Cat. No.:	HY-B0323A
CAS No.:	4299-60-9
Molecular Formula:	C ₁₅ H ₂₄ N ₄ O ₅ S
Molecular Weight:	372.44
Target:	Antibiotic; Endothelin Receptor; Bacterial
Pathway:	Anti-infection; GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Sulfisoxazole (Sulfafurazole) diethanolamine is an endothelin receptor antagonist with IC ₅₀ values of 0.60 μM and 22 μM against endothelin receptor A and endothelin receptor B, respectively. Sulfisoxazole diethanolamine is a sulfonamide antibacterial with an oxazole substituent. Sulfisoxazole diethanolamine inhibits breast cancer exosome release by targeting endothelin receptor A ^{[1][2]} .	
IC₅₀ & Target	ET _A 0.60 μM (IC ₅₀)	ET _B 22 μM (IC ₅₀)

CUSTOMER VALIDATION

- Biology (Basel). 2021, 10(8), 700.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Chan, M.F., et al., Identification of a new class of ETA selective endothelin antagonists by pharmacophore directed screening. *Biochem Biophys Res Commun*, 1994. 201(1): p. 228-34.
- [2]. Im EJ, et al. Sulfisoxazole inhibits the secretion of small extracellular vesicles by targeting the endothelin receptor A. *Nat Commun*. 2019 Mar 27;10(1):1387.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA