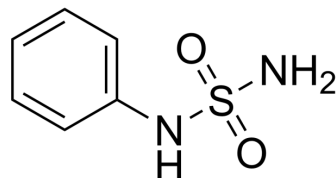


Phenylsulfamide

Cat. No.:	HY-147353
CAS No.:	15959-53-2
Molecular Formula:	C ₆ H ₈ N ₂ O ₂ S
Molecular Weight:	172.2
Target:	Carbonic Anhydrase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Phenylsulfamide (Compound 10) is a human carbonic anhydrase-II (hCA-II) inhibitor with a K _d of 45.50 μM and a K _i of 79.60 μM ^[1] .	
IC₅₀ & Target	hCA II 45.50 μM (K _d)	hCA II 79.60 μM (K _i)

REFERENCES

[1]. Klinger AL, et al. Inhibition of carbonic anhydrase-II by sulfamate and sulfamide groups: an investigation involving direct thermodynamic binding measurements. J Med Chem. 2006 Jun 15;49(12):3496-500.

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