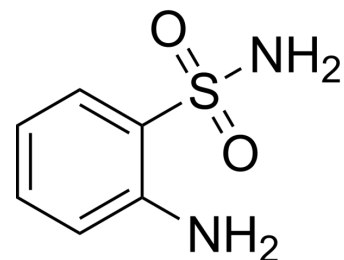


## 2-Aminobenzenesulfonamide

<b>Cat. No.:</b>	HY-B2147		
<b>CAS No.:</b>	3306-62-5		
<b>Molecular Formula:</b>	C <sub>6</sub> H <sub>8</sub> N <sub>2</sub> O <sub>2</sub> S		
<b>Molecular Weight:</b>	172.2		
<b>Target:</b>	Carbonic Anhydrase		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 200 mg/mL (1161.44 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	5.8072 mL	29.0360 mL	58.0720 mL
		5 mM	1.1614 mL	5.8072 mL	11.6144 mL
		10 mM	0.5807 mL	2.9036 mL	5.8072 mL
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 5 mg/mL (29.04 mM); Clear solution  2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 5 mg/mL (29.04 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	2-Aminobenzenesulfonamide is a carbonic anhydrase IX inhibitor.
<b>IC<sub>50</sub> &amp; Target</b>	CA ☒

### REFERENCES

[1]. Vullo D, et al. Carbonic anhydrase inhibitors: inhibition of the tumor-associated isozyme IX with aromatic and heterocyclic sulfonamides. *Bioorg Med Chem Lett*. 2003 Mar 24;13(6):1005-9.

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**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](mailto:tech@MedChemExpress.com)

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