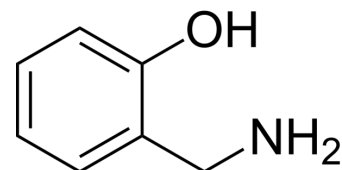


## 2-(Aminomethyl)phenol

<b>Cat. No.:</b>	HY-34350
<b>CAS No.:</b>	932-30-9
<b>Molecular Formula:</b>	C <sub>7</sub> H <sub>9</sub> NO
<b>Molecular Weight:</b>	123.15
<b>Target:</b>	Reactive Oxygen Species
<b>Pathway:</b>	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
<b>Storage:</b>	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 50 mg/mL (406.01 mM); ultrasonic and warming and heat to 80°C)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		8.1202 mL	40.6009 mL	81.2018 mL
		<b>5 mM</b>		1.6240 mL	8.1202 mL	16.2404 mL
<b>10 mM</b>		0.8120 mL	4.0601 mL	8.1202 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: ≥ 2.5 mg/mL (20.30 mM); Clear solution  2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (20.30 mM); Clear solution					

### BIOLOGICAL ACTIVITY

<b>Description</b>	2-(Aminomethyl)phenol (2-Hydroxybenzylamine), a selective dicarbonyl scavenger, is an antioxidant and scavenger of free radicals and isolevuglandins (IsoLGs). 2-(Aminomethyl)phenol can be used in the research of inflammation and cardiovascular disease, such as atherosclerosis, early recurrence of atrial fibrillation (AF) and arrhythmias <sup>[1][2]</sup> .
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### REFERENCES

- [1]. Matthew J O'Neill, et al. 2-Hydroxybenzylamine (2-HOBA) to prevent early recurrence of atrial fibrillation after catheter ablation: protocol for a randomized controlled trial including detection of AF using a wearable device.
- [2]. Huan Tao, et al. Scavenging of reactive dicarbonyls with 2-hydroxybenzylamine reduces atherosclerosis in hypercholesterolemic Ldlr -/- mice.

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

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