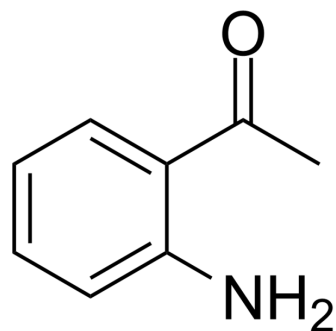


## 2'-Aminoacetophenone

Cat. No.:	HY-I0501
CAS No.:	551-93-9
Molecular Formula:	C <sub>8</sub> H <sub>9</sub> NO
Molecular Weight:	135.16
Target:	Bacterial
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (739.86 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	7.3986 mL	36.9932 mL	73.9864 mL
		5 mM	1.4797 mL	7.3986 mL	14.7973 mL
		10 mM	0.7399 mL	3.6993 mL	7.3986 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (18.50 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (18.50 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (18.50 mM); Clear solution</li> </ol>				

### BIOLOGICAL ACTIVITY

Description	2'-Aminoacetophenone is an aromatic compound containing a ketone substituted by one alkyl group, and a phenyl group. 2'-Aminoacetophenone can be used as a breath biomarker for the detection of <i>Ps. Aeruginosa</i> infections in the cystic fibrosis lung <sup>[1]</sup> .
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### REFERENCES

[1]. Amy J Scott-Thomas, et al. 2-Aminoacetophenone as a Potential Breath Biomarker for *Pseudomonas Aeruginosa* in the Cystic Fibrosis Lung. *BMC Pulm Med*. 2010 Nov

**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