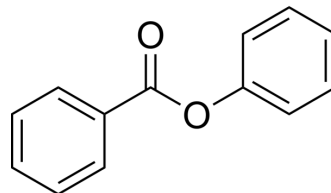


## Phenyl benzoate

Cat. No.:	HY-W009823		
CAS No.:	93-99-2		
Molecular Formula:	C <sub>13</sub> H <sub>10</sub> O <sub>2</sub>		
Molecular Weight:	198.22		
Target:	Chloride Channel		
Pathway:	Membrane Transporter/Ion Channel		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

<b>Description</b>	Phenyl benzoate is a benzoate ester obtained by the formal condensation of phenol with benzoic acid. Phenyl benzoate is a chloride transport blocker, inhibits Cl <sup>-</sup> -dependent Glu accumulation into vesicles. Phenyl benzoate can be used as preservative in cosmetic products <sup>[1][2]</sup> .
<b>In Vitro</b>	Phenyl benzoate (DPC) (0.1 μM-1 mM; 15 min) inhibits the Ca <sup>2+</sup> /Cl <sup>-</sup> -dependent and -independent L-[ <sup>3</sup> H]Glu (100 nM) binding to rat brain membranes <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Recasens M, et al. Chloride transport blockers inhibit the chloride-dependent glutamate binding to rat brain membranes. *Neurosci Lett.* 1987 Feb 24;74(2):211-6.
- [2]. Alvarez-Rivera G, et al. Pressurized liquid extraction-gas chromatography-mass spectrometry for confirming the photo-induced generation of dioxin-like derivatives and other cosmetic preservative photoproducts on artificial skin. *J Chromatogr A.* 2016 Apr 1;1440:37-44.

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

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