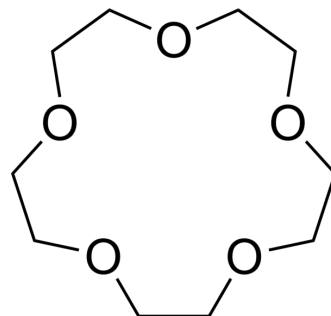


15-Crown-5

Cat. No.:	HY-W007451		
CAS No.:	33100-27-5		
Molecular Formula:	$C_{10}H_{20}O_5$		
Molecular Weight:	220.26		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	15-Crown-5 is a biochemical reagent that can be used as a biological material or organic compound for life science related research.
In Vitro	<p>15-Crown-5 is used as an efficient phase transfer catalyst and as a complexing agent. It is used to isolate oxonium ion (H₇O³⁺) salts especially from a solution of tetrachloroauric acid. It catalyzes the O-alkylation of the sodium salts of Carboxylic acids in the penicillin and cephalosporin series, thereby facilitating esterification reaction without usage of acid. It is also used to facilitate the Williamson synthesis of ethers with hindered alcohols and sodium hydride. It is used with lithium aluminum hydride, for performing reduction reactions in hydrogen Solvents. Furthermore, it is involved in the Horner-Wadsworth-Emmons reaction to prepare stilbenes from aldehydes.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

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

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