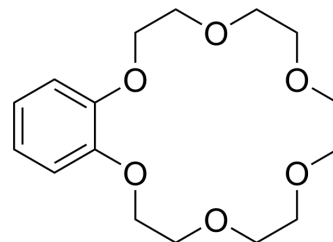


Benzo-18-crown-6-ether

Cat. No.:	HY-W103245		
CAS No.:	14098-24-9		
Molecular Formula:	C ₁₆ H ₂₄ O ₆		
Molecular Weight:	312.36		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

Benzo-18-crown-6-ether (B18C6) is an organic compound that can be used to prepare stable microcapsule responsive layers for further assembly into bilayer microcapsules. For example, 18-Crown-6-ether is used to prepare the response layer and is coated with a G-quadruplex cross-linked hydrogel layer stabilized by K⁺; when Mg²⁺ ions are present, 18-Crown-6-ether and K⁺ ions can respectively Dissociates and locks with the G-quadruplex cross-linked layer, thereby achieving switchable controlled release of the load^[1].

REFERENCES

[1]. Ehala S, et al. Application of affinity capillary electrophoresis and density functional theory to the investigation of benzo-18-crown-6-ether complex with ammonium cation. J Chromatogr A. 2009 Nov 6;1216(45):7927-31.

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

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