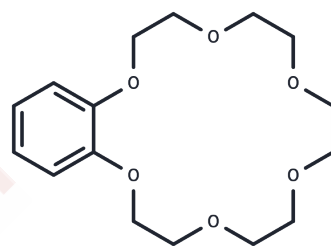


Benzo-18-crown-6-ether

Chemical Properties

CAS No. :	14098-24-9
Formula:	C ₁₆ H ₂₄ O ₆
Molecular Weight:	312.3582
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Benzo-18-crown-6-ether (B18C6) is an organic compound used to create stable microcapsule responsive layers, which can be assembled into bilayer microcapsules. For instance, 18-Crown-6-ether is employed to prepare a responsive layer and then coated with a K ⁺ -stabilized G-quadruplex cross-linked hydrogel layer. When Mg ²⁺ ions are present, 18-Crown-6-ether and K ⁺ ions enable dissociation and locking with the G-quadruplex cross-linked layer, allowing for switchable controlled release of the load.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2014 mL	16.0072 mL	32.0143 mL
5 mM	0.6403 mL	3.2014 mL	6.4029 mL
10 mM	0.3201 mL	1.6007 mL	3.2014 mL
50 mM	0.064 mL	0.3201 mL	0.6403 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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