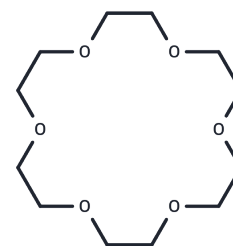


18-Crown-6-ether

Chemical Properties

CAS No. :	17455-13-9
Formula:	C ₁₂ H ₂₄ O ₆
Molecular Weight:	264.3154
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	18-Crown-6-ether (18C6; 1,4,7,10,13,16-Hexaoxacyclooctadecane) is an organic compound utilized in forming stable microcapsule responsive layers, which can be further assembled into bilayer microcapsules. For instance, a responsive layer can be prepared using 18-Crown-6-ether and coated with a K ⁺ stabilized G-quadruplex crosslinked hydrogel layer. In the presence of Mg ²⁺ ions, 18-Crown-6-ether and K ⁺ ions can respectively dissociate and lock with the G-quadruplex crosslinked layer, achieving switchable controlled release of the payload.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7833 mL	18.9165 mL	37.8329 mL
5 mM	0.7567 mL	3.7833 mL	7.5666 mL
10 mM	0.3783 mL	1.8916 mL	3.7833 mL
50 mM	0.0757 mL	0.3783 mL	0.7567 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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