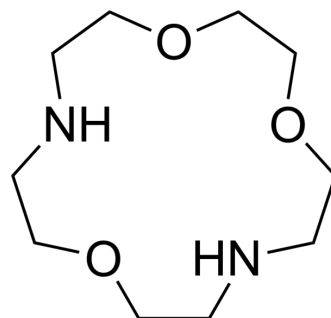


## Diaza-15-crown-5

Cat. No.:	HY-W102545
CAS No.:	31249-95-3
Molecular Formula:	C <sub>10</sub> H <sub>22</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight:	218.29
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Diaza-15-crown-5 extends the lifetime of M intermediates in BR membranes. Diaza-15-crown-5 is a crown ether compound that alters the surface charge of BR membranes. Diaza-15-crown-5 changes the surface charge of the BR film, and overall membrane stability. Diaza-15-crown-5 allows the M state to be maintained for a longer period of time<sup>[1]</sup>.

### REFERENCES

[1]. Liang, B. et al.. Prolonged lifetime of the M intermediate in D96N-mutant bacteriorhodopsin films enhanced by diaza-15-crown-5. *New Journal of Chemistry*, 26(8), 1049–1053.

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

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