

Product Data Sheet

Product Name: 4,10-Diaza-15-crown 5-Ether

Cat. No.: GD09949

Chemical Properties

Cas. No. 31249-95-3

Formula

M.Wt

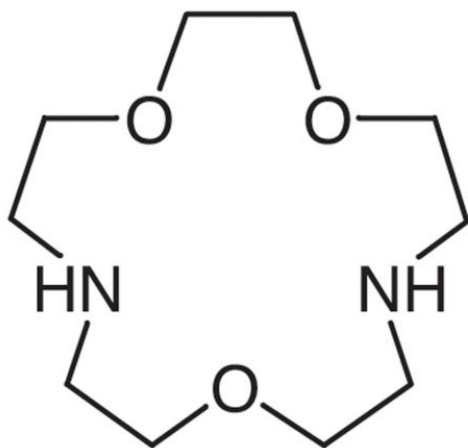
Solubility

Storage argon filling

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

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.

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

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[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.

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