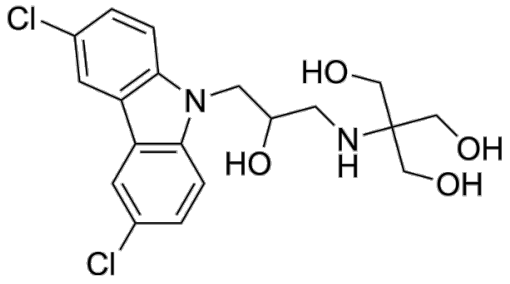
Product Data Sheet

Product Name: DCAP
Cat. No.: GC70757

Chemical Properties

Cas. No.	500015-20-3		
Formula	$C_{19}H_{22}Cl_2N_2O_4$	M.Wt	413.29
Solubility		Storage	-20°C
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

DCAP is a broad-spectrum antibiotic targeting the membranes of both Gram-positive and Gram-negative bacteria. DCAP blocks autophagy at the late stages by preventing autophagolysosome maturation and interrupting the autophagic flux.

References:

[1]. Giulia Allavena, et al. A broad-spectrum antibiotic, DCAP, reduces uropathogenic Escherichia coli infection and enhances vorinostat anticancer activity by modulating autophagy. Cell Death Dis. 2018 Jul 13;9(7):780.

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