

Product Data Sheet

Product Name: DCAP
Cat. No.: GC70757

Chemical Properties

Cas. No. 500015-20-3

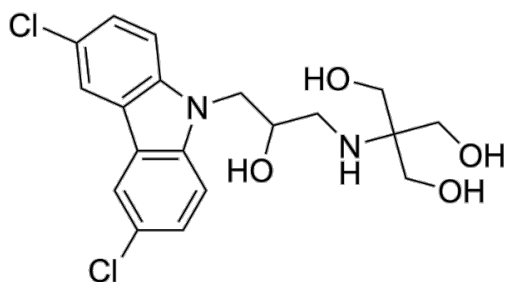
Formula $C_{19}H_{22}Cl_2N_2O_4$ M.Wt 413.29

Solubility Storage $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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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