

## Dequalinium-D4 Chloride

### Chemical Properties

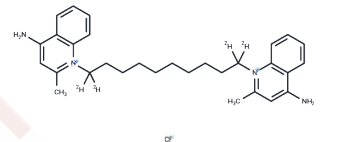
CAS No. :

Formula: C<sub>30</sub>H<sub>36</sub>D<sub>4</sub>Cl<sub>2</sub>N<sub>4</sub>

Molecular Weight: 531.6

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



### Biological Description

#### Description

Dequalinium-D4 Chloride is a deuterated compound of Dequalinium Chloride. Dequalinium Chloride (T0979) has a CAS number of 522-51-0. Dequalinium Chloride, a topical bacteriostat, is a selective blocker of apamin-sensitive K<sup>+</sup> channels. It is used in wound dressings and mouth infections and may also have antifungal action, but may cause skin ulceration.

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8811 mL	9.4056 mL	18.8111 mL
5 mM	0.3762 mL	1.8811 mL	3.7622 mL
10 mM	0.1881 mL	0.9406 mL	1.8811 mL
50 mM	0.0376 mL	0.1881 mL	0.3762 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.

### Reference

1. Manetta A, et al. Gynecol Oncol, 1993, 50(1), 38-44.

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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481