

## Amifampridine-D3 dihydrochloride

## Chemical Properties

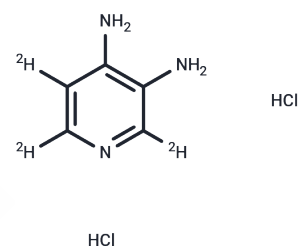
CAS No. :

Formula: C<sub>5</sub>H<sub>6</sub>D<sub>3</sub>Cl<sub>2</sub>N<sub>3</sub>

Molecular Weight: 185.07

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

Amifampridine-D3 dihydrochloride is a deuterated compound of Amifampridine dihydrochloride (T4497). Amifampridine dihydrochloride has a CAS number of 54-96-6. Amifampridine is predominantly in the treatment of a number of rare muscle diseases. Amifampridine works by blocking potassium channel efflux in nerve terminals so that action potential duration is increased. Ca<sup>2+</sup> channels can then be open for a longer time and allow greater acetylcholine release to stimulate muscle at the end plate.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4034 mL	27.0168 mL	54.0336 mL
5 mM	1.0807 mL	5.4034 mL	10.8067 mL
10 mM	0.5403 mL	2.7017 mL	5.4034 mL
50 mM	0.1081 mL	0.5403 mL	1.0807 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. wikipedia

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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