

## Pitofenone-D4

## Chemical Properties

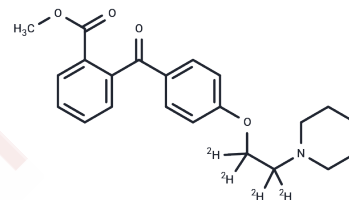
CAS No. :

Formula: C<sub>22</sub>H<sub>21</sub>D<sub>4</sub>NO<sub>4</sub>

Molecular Weight: 371.46

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

Pitofenone-D4 is a deuterated compound of Pitofenone. Pitofenone (T69131) has a CAS number of 1248-42-6. Pitofenone (T69131) hydrochloride, a spasmolytic compound, inhibits the acetylcholinesterase (AChE) activity from bovine erythrocytes and from electric eel with Kis of 36 and 45 μM, respectively.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6921 mL	13.4604 mL	26.9208 mL
5 mM	0.5384 mL	2.6921 mL	5.3842 mL
10 mM	0.2692 mL	1.346 mL	2.6921 mL
50 mM	0.0538 mL	0.2692 mL	0.5384 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

- Punekar NS, et al. Acetylcholinesterase inhibition by pitofenone: a spasmolytic compound. Biotechnol Appl Biochem. 1991 Dec;14(3):378-82.

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