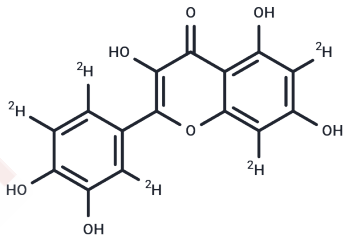
# Data Sheet (Cat.No.TMIH-0618)

TargetMol

## Quercetin-D5

### Chemical Properties



CAS No. : 263711-78-0

Formula: C15H5D5O7

Molecular Weight: 307.27

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 | Quercetin-D5 is a deuterated compound of Quercetin. Quercetin (T2174) has a CAS number of 117-39-5. Quercetin, a natural flavonoid present in vegetables, fruit, and wine, is a stimulator of recombinant SIRT1 and also a PI3K inhibitor. |
| Targets(IC50) | Apoptosis,Mitophagy,Autophagy,PI3K |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 3.2545 mL | 16.2723 mL | 32.5447 mL |
| 5 mM | 0.6509 mL | 3.2545 mL | 6.5089 mL |
| 10 mM | 0.3254 mL | 1.6272 mL | 3.2545 mL |
| 50 mM | 0.0651 mL | 0.3254 mL | 0.6509 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. Navarro-Nunez L, et al. Fitoterapia, 2010, 81(2):75-80.

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