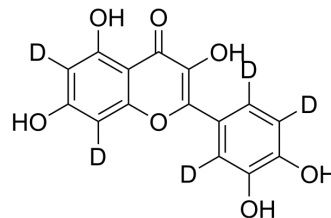


## Quercetin-d<sub>5</sub>

Cat. No.:	HY-18085S
CAS No.:	263711-78-0
Molecular Formula:	C <sub>15</sub> H <sub>5</sub> D <sub>5</sub> O <sub>7</sub>
Molecular Weight:	307.27
Target:	PI3K; Autophagy; Mitophagy; Apoptosis
Pathway:	PI3K/Akt/mTOR; Autophagy; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Quercetin-d<sub>5</sub> is a deuterium labeled Quercetin. Quercetin, a natural flavonoid, is a stimulator of recombinant SIRT1 and also a PI3K inhibitor with IC<sub>50</sub> of 2.4 μM, 3.0 μM and 5.4 μM for PI3K γ, PI3K δ and PI3K β, respectively[1].

### REFERENCES

[1]. Leyre Navarro-Núñez, et al. Effect of quercetin on platelet spreading on collagen and fibrinogen and on multiple platelet kinases. *Fitoterapia*. 2010 Mar;81(2):75-80.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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