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Zuschläge

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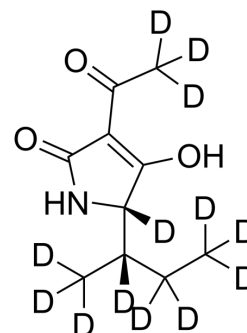
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Tenuazonic acid-d₁₃

Cat. No.:	HY-W653921
CAS No.:	2714417-30-6
Molecular Formula:	C ₁₀ H ₂ D ₁₃ NO ₃
Molecular Weight:	210.31
Target:	Isotope-Labeled Compounds; Enterovirus; Photosystem II; Influenza Virus; Bacterial
Pathway:	Others; Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Tenuazonic acid-d₁₃ is deuterium labeled Tenuazonic acid. Tenuazonic acid is a nonhost-selective mycotoxin belonging to the tetramic acids family. Tenuazonic acid inhibits protein biosynthesis on ribosomes by suppressing the release of new protein. Tenuazonic acid is acutely toxic, and oral LD₅₀ is set between 81-186 mg/kg in rats and mice. Tenuazonic acid blocks electron transport beyond the primary quinone receptor (QA) by interacting with the D1 protein and is a *photosystem II (PSII)* inhibitor. In addition, Tenuazonic acid has antiviral effects on measles virus, enterovirus, respiratory virus and so on. Tenuazonic acid has an inhibitory effect on skin cancer^{[1][2][3][4][5][6][7][8]}.

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

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