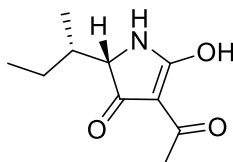


Tenuazonic acid

Code No.: **BIA-T1277**

Pack sizes: **1 mg, 5 mg**



Synonyms : Vivotoxin

Specifications

CAS #	: 610-88-8
Molecular Formula	: C₁₀H₁₅NO₃
Molecular Weight	: 197.2
Source	: <i>Alternaria</i> sp.
Appearance	: Pale yellow oil
Purity	: >99% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in DMF or DMSO. Moderately soluble in methanol or ethanol. Poor water solubility.

Application Notes

Tenuazonic acid is potent tetramic acid mycotoxin produced by several fungal genera, notably *Alternaria*. Tenuazonic acid exhibits antitumor, antiviral and antibacterial activity.

References

1. Studies in the biochemistry of micro-organisms. 103. Metabolites of *Alternaria tenuis* Auct.: Culture filtrate products Rosett T. et al., *Biochem. J.* 1957, 67, 390.
2. Microbial metabolites with insecticidal properties. Cole M. & Rolinson G. N. *Appl. Microbiol.* 1972, 24, 660.
3. Microbial production of tenuazonic acid analogues. Gatenbeck S. & Sierankiewicz J. *Antimicrob. Agents Chemother.* 1973, 3, 308.
4. Inhibition of mouse skin tumor promotion by tenuazonic acid. Antony M. et al., *Cancer Lett.* 1991, 61, 21.