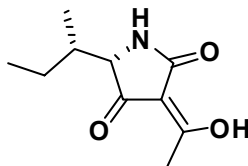


## Tenuazonic acid

Code: **BIA-T1277**

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



Synonyms : **Vivotoxin**

### Specifications

CAS # : **610-88-8**  
Molecular Formula : **C<sub>10</sub>H<sub>15</sub>NO<sub>3</sub>**  
Molecular Weight : **197.2**  
Source : ***Alternaria* sp**  
Appearance : **Blue green powder**  
Purity : **99% by TLC**  
Storage : **-20°C**  
Solubility : **Soluble DMSO. Limited methanol, ethanol or 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.