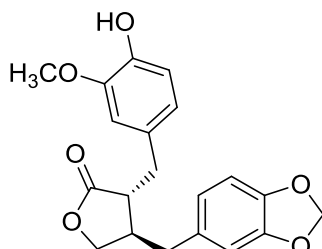


Pluviatolide

Code No.: **BIA-P1763**

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



Synonyms : (-)-Pluviatolide

Specifications

| | |
|-------------------|---|
| CAS # | : 28115-68-6 |
| Molecular Formula | : C₂₀H₂₀O₆ |
| Molecular Weight | : 356.4 |
| Source | : <i>Zanthoxylum pluviatile</i> |
| Appearance | : White solid |
| Purity | : >95% by HPLC |
| Long Term Storage | : -20°C |
| Solubility | : Soluble in ethanol, methanol, DMF or DMSO. |

Application Notes

Pluviatolide is a butyrolactone lignan first isolated from the Australian native plant, *Zanthoxylum pluviatile*, by Taylor and Ritchie in 1970. More recently, pluviatolide and the related hinokinin were reported as metabolites of the vine, *Aristolochia constricta*, and subsequently other genus. Pluviatolide exhibits antispasmodic effects, however its pharmacology has received little attention.

References

1. Chemical constituents of Australian *Zanthoxylum* species. V. Constituents of *Z. [Zanthoxylum] pluviatile*; the structures of two new lignans. Corrie J.E. et al., *Aust. J. Chem.* 1970, 23, 133
2. Chemical constituents of *Aristolochia constricta*: antispasmodic effects of its constituents in guinea-pig ileum and isolation of a diterpeno-lignan hybrid. Zhang G. et al., *J. Nat. Prod.* 2008, 71, 1167.