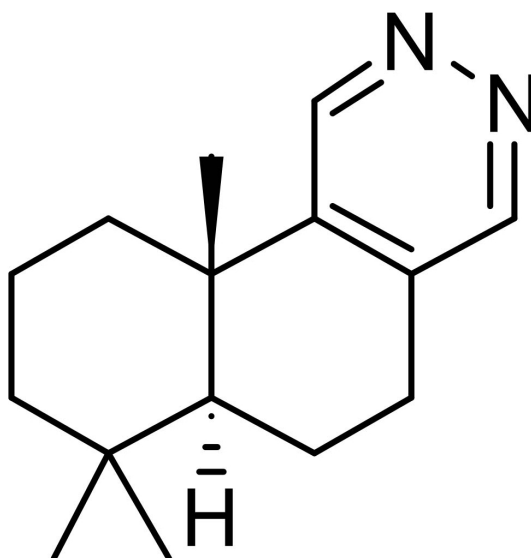


Polygodial pyridazine

Code No.: BIA-P1773

Pack sizes.: 0.5mg, 2.5mg



Synonyms:

-

Specifications

CAS #	: 1810726-08-9
Molecular Formula	: C15H22N2
Molecular Weight	: 230.35
Source	: -
Appearance	: Cream solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Polygodial pyridazine is a semi-synthetic derivative using the sesquiterpene dialdehyde, polygodial, as a scaffold. In contrast to polygodial, the pyridazine derivative is a poor inhibitor of Na⁺/K⁺-ATPase. Polygodial itself has antibiotic, antifungal, anti-insectan, cytotoxic, anti-inflammatory and glucocorticoid activities.

References

1. Practical isolation of polygodial from *Tasmania lanceolata*: a viable scaffold for synthesis. Just J. et al., Org.

Biomol. Chem. 2015, 13, 11200.

2. Effect of polygodial and its direct derivatives on the mammalian Na⁺/K⁺-ATPase activity. Garcia D.G. et al., Eur. J. Pharmacol. 2018, 831, 1.
3. Structural requirements for the antifungal activities of natural drimane sesquiterpenes and analogues, supported by conformational and electronic studies. Derita M. et al., Molecules 2013, 18, 2029.