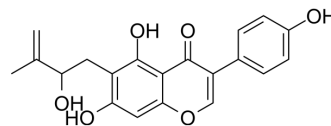


Laburnetin

Cat. No.:	HY-N7382
CAS No.:	166375-17-3
Molecular Formula:	C ₂₀ H ₁₈ O ₆
Molecular Weight:	354.35
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Laburnetin is a kind of isoflavone antibacterial agent. Laburnetin has antibacterial activity against fungi and <i>S. vesicarium</i> . Laburnetin intensifies the susceptibility of Methicillin (HY-121544) resistant <i>Staphylococcus aureus</i> (MRSA) strains to Methicillin. Laburnetin can be used to control pests of cultivated species ^{[1][2][3]} .
In Vitro	Laburnetin (50 µg/mL) inhibits the growth of <i>S. vesicarium</i> (about 55 %), <i>S. vesicarium</i> mycelium's (about 60 %) and fungi (over 40 %) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Soriano G, et al. Specialized Metabolites from the Allelopathic Plant *Retama raetam* as Potential Biopesticides. *Toxins* (Basel). 2022 Apr 28;14(5):311.
- [2]. Sato M, et al. Different antibacterial actions of isoflavones isolated from *Erythrina poeppigiana* against methicillin-resistant *Staphylococcus aureus*. *Lett Appl Microbiol*. 2006 Sep;43(3):243-8.
- [3]. Sato H, et al. Isoflavones from pods of *Laburnum anagyroides*[J]. *Phytochemistry*, 1995, 39(3): 673-676.

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

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