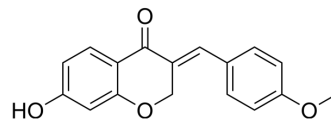


Bonducellin

Cat. No.:	HY-N10069
CAS No.:	83162-84-9
Molecular Formula:	C ₁₇ H ₁₄ O ₄
Molecular Weight:	282.29
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Bonducellin is a homoisoflavonoid, which can be isolated from *Caesalpinia digyna* roots. Bonducellin is a potent inhibitor of efflux pump (EP), while EP induces resistance in mycobacteria and serves as a target of anti-TB (tuberculosis) agents. Bonducellin reduces MIC of EtBr by 8-fold against *M. smegmatis* (MIC=62.5 mg/L)^[1].

REFERENCES

[1]. Roy SK, et al. 7-Hydroxy-(E)-3-phenylmethylene-chroman-4-one analogues as efflux pump inhibitors against *Mycobacterium smegmatis* mc² 155. *Eur J Med Chem.* 2013 Aug;66:499-507.

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

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