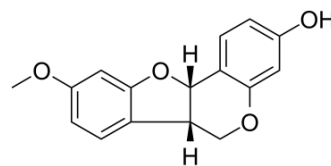


(+)-Medicarpin

Cat. No.:	HY-N6052
CAS No.:	33983-39-0
Molecular Formula:	C ₁₆ H ₁₄ O ₄
Molecular Weight:	270.28
Target:	Estrogen Receptor/ERR
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description (+)-Medicarpin, a pterocarpan, is a type of isoflavonoid isolated from several medicinal plant species with various biological effects, including *Sophora japonica*, *Zollernia paraensis* and *Platymiscium yucatamun*, *Machaerium aristulatum*, *Platymiscium floribundum*, and so on. (+)-Medicarpin potently inhibits osteoclastogenesis and promotes bone healing and increases bone mass by osteoblast differentiation with **estrogen receptor (ER) β**-mediated osteogenic action^[1].

IC₅₀ & Target ERβ

REFERENCES

[1]. Yang X, et al. Total Synthesis of (+)-Medicarpin. *J Nat Prod.* 2017 Dec 22;80(12):3284-3288.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA