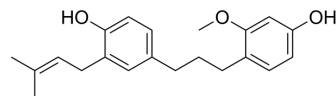


1-(4-Hydroxy-2-methoxyphenyl)-3-(4-hydroxy-3-prenylphenyl)

| | |
|--------------------|---|
| Cat. No.: | HY-N1743 |
| CAS No.: | 376362-03-7 |
| Molecular Formula: | C ₂₁ H ₂₆ O ₃ |
| Molecular Weight: | 326.43 |
| Target: | Phosphatase |
| Pathway: | Metabolic Enzyme/Protease |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

1-(4-Hydroxy-2-methoxyphenyl)-3-(4-hydroxy-3-prenylphenyl), isolated from *Broussonetia kazinoki*, shows in vitro inhibition of protein tyrosine phosphatase 1B (PTP1B) with an IC₅₀ of 13.00 μM. PTP1B is a negative regulator of insulin action and an important mediator in the pathogenesis of insulinresistance and non-insulin dependent diabetes mellitus. PTP1B is regarded as a significant target for type 2 diabetes^[1].

REFERENCES

[1]. Jing-Jing Xue, et al. Flavans and diphenylpropanes with PTP1B inhibition from *Broussonetia kazinoki*. *Fitoterapia*. 2018 Oct;130:37-42.

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