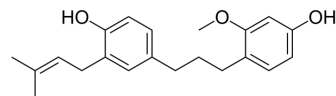


## 1-(4-Hydroxy-2-methoxyphenyl)-3-(4-hydroxy-3-prenylphenyl)

Cat. No.:	HY-N1743
CAS No.:	376362-03-7
Molecular Formula:	C <sub>21</sub> H <sub>26</sub> O <sub>3</sub>
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 IC<sub>50</sub> 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<sup>[1]</sup>.

### 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