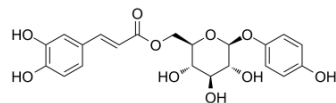


6-O-Caffeoylarbutin

Cat. No.:	HY-N2720
CAS No.:	136172-60-6
Molecular Formula:	C ₂₁ H ₂₂ O ₁₀
Molecular Weight:	434.39
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	6-O-Caffeoylarbutin (Robustaside B) possesses antioxidant activity ^[1] .
In Vitro	<p>In the presence of calcium, similar concentrations of robustaside B decreases the extent of MPT pore opening in a concentration-dependent manner but in the reverse order^[1].</p> <p>Robustaside B (0.1mM) and para-hydroxyphenol(0.05mM) significantly inhibits mitochondrial lipid peroxidation induced by the Fe²⁺/ascorbate system by causing a significant decrease (86.4 and 86.7%), respectively, in the amount of TBARS released by the system^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Rahmat A Adisa, et al. Robustaside B and para-hydroxyphenol: phenolic and antioxidant compounds purified from *Cnestis ferruginea* D.C induced membrane permeability transition in rat liver mitochondria. *Mol Med Rep.* 2013 Nov;8(5):1493-8.

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

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