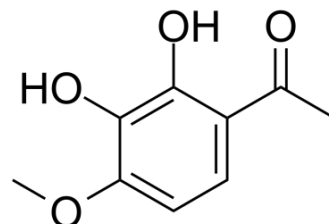


2,3-Dihydroxy-4-methoxyacetophenone

Cat. No.:	HY-N7509
CAS No.:	708-53-2
Molecular Formula:	C ₉ H ₁₀ O ₄
Molecular Weight:	182.17
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	2,3-Dihydroxy-4-methoxyacetophenone is a neuroprotective compound from <i>Cynenchum paniculatum</i> . 2,3-Dihydroxy-4-methoxyacetophenone improves cognitive function and may have the potential for the treatment of Alzheimer's disease research ^[1] .
In Vitro	2,3-Dihydroxy-4-methoxyacetophenone protects HT22 cells on glutamate induced cell-death in a dose-dependent manner (EC ₅₀ =10.94 μM). 2,3-Dihydroxy-4-methoxyacetophenone inhibits [Ca ²⁺] accumulation in HT22 cells and has antioxidative activity ^[1] .
In Vivo	2,3-dihydroxy-4-methoxyacetophenone (50mg/kg; po) improves the impairment of spatial memory induced by scopolamine ^[1] .

REFERENCES

[1]. Jin Bae Weon, et al. The Ameliorating Effects of 2,3-dihydroxy-4-methoxyacetophenone on Scopolamine-Induced Memory Impairment in Mice and Its Neuroprotective Activity. *Bioorg Med Chem Lett*. 2013 Dec 15;23(24):6732-6.

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

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