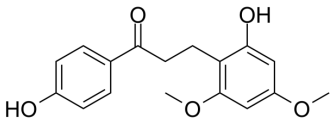
4',2-Dihydroxy-4,6-dimethoxydihydrochalcone

Cat. No.:	HY-N8170
CAS No.:	151752-07-7
Molecular Formula:	$C_{17}H_{18}O_5$
Molecular Weight:	302.32
Target:	Estrogen Receptor/ERR
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	4',2-Dihydroxy-4,6-dimethoxydihydrochalcone, an estrogen agonist, shows binding affinity for bovine uterine estrogen receptor with an IC_{50}50 of 15 μM[1].
IC_{50} & Target	Estrogen receptor
In Vitro	4',2-Dihydroxy-4,6-dimethoxydihydrochalcone stimulates the MCF-7 cell proliferation in a concentration dependent manner between 10 nM and 10 μM[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. K Ichikawa, et al. Retrodihydrochalcones and homoisoflavones isolated from Thai medicinal plant Dracaena loureiri and their estrogen agonist activity. Planta Med. 1997 Dec;63(6):540-3.

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

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