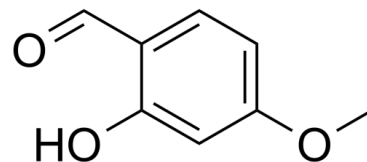


Data Sheet

Product Name:	2-Hydroxy-4-methoxybenzaldehyde
Cat. No.:	CS-D1182
CAS No.:	673-22-3
Molecular Formula:	C ₈ H ₈ O ₃
Molecular Weight:	152.15
Target:	Tyrosinase
Pathway:	Metabolic Enzyme/Protease
Solubility:	DMSO : ≥ 50 mg/mL (328.62 mM); H ₂ O : 2 mg/mL (13.14 mM); Need ultrasonic)



BIOLOGICAL ACTIVITY:

2-Hydroxy-4-methoxybenzaldehyde, a chemical compound and an isomer of Vanillin, could be used to synthesis Urolithin M7^[1]. 2-hydroxy-4-methoxybenzaldehyde is a potent **tyrosinase** inhibitor from three East African medicinal plants, *Mondia whitei*, *Rhus vulgaris* Meikle, and *Sclerocarya caffra* Sond^[2]. IC₅₀ & Target: Tyrosinase^[2].

References:

- [1]. Bodwell Graham, et al. An Inverse Electron-Demand Diels-Alder-Based Total Synthesis of Urolithin M7. *Synlett*. 2011 (15): 2245.
- [2]. Kubo I, et al. 2-Hydroxy-4-methoxybenzaldehyde: a potent tyrosinase inhibitor from African medicinal plants. *Planta Med*. 1999 Feb;65(1):19-22.

CAIndexNames:

Benzaldehyde, 2-hydroxy-4-methoxy-

SMILES:

O=CC1=CC=C(OC)C=C1O

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

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA