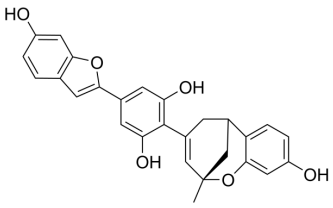
Mulberrofuran H

Cat. No.:	HY-N3237
CAS No.:	89199-99-5
Molecular Formula:	$C_{27}H_{22}O_6$
Molecular Weight:	442.46
Target:	Dopamine Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Mulberrofuran H is a 2-arylbenzofuran derivative from the cultivated mulberry tree (Morus lhou (ser.) Koidz.). Mulberrofuran H demonstrates potent inhibition against substrates L-tyrosine (IC_{50}=4.45 μM) and L-DOPA (IC_{50}=19.70 μM). Mulberrofuran H also shows potent anti-inflammatory and antioxidative activities[1][2][3].
IC_{50} & Target	4.45 μM (L-tyrosine); 19.70 μM (L-DOPA)[3]

REFERENCES

[1]. Fukai T, et al. Structure of mulberrofuran H, a novel 2-arylbenzofuran derivative from the cultivated mulberry tree (Morus lhou (ser.) Koidz.)[J]. Chemical and pharmaceutical bulletin, 1984, 32(2): 808-811.

[2]. Kang J, et al. Five new diels-alder type adducts from the stem and root bark of Morus mongolica. Planta Med. 2006 Jan;72(1):52-9.

[3]. Paudel P, et al. Antioxidant and anti-browning property of 2-arylbenzofuran derivatives from Morus alba Linn root bark. Food Chem. 2020 Mar 30;309:125739.

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

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