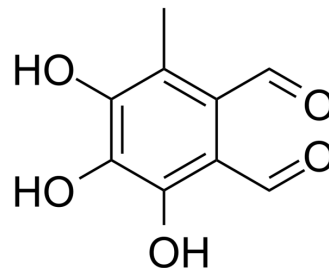


Flavipin

Cat. No.:	HY-N10295
CAS No.:	483-53-4
Molecular Formula:	C ₉ H ₈ O ₅
Molecular Weight:	196.16
Target:	Aryl Hydrocarbon Receptor
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Flavipin is an aryl hydrocarbon receptor (Ahr) agonist that induces the expression of Ahr downstream genes in mouse CD4⁺ T cells and CD11b⁺ macrophages. Flavipin inhibits the stabilizing function of Arid5a on Il23a 3'UTR, a newly identified target mRNA^[1]. Flavipin exhibits the DPPH free radical scavenging ability with IC₅₀ value of 7.2 μM, and has potent α-glucosidase inhibition with IC₅₀ value of 33.8 μM^[2].

REFERENCES

[1]. "Alzahrani A, et al. Differential modulation of Ahr and Arid5a: A promising therapeutic strategy for autoimmune encephalomyelitis. Saudi Pharm J. 2020;28(12):1605-1615."

[2]. Li H, et al. Polyketides from two Chaetomium species and their biological functions. J Antibiot (Tokyo). 2018;71(7):677-681.

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

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