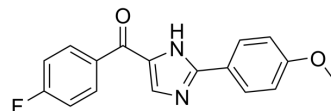


Anti-melanoma agent 3

Cat. No.:	HY-119427
CAS No.:	1253697-49-2
Molecular Formula:	C ₁₇ H ₁₃ FN ₂ O ₂
Molecular Weight:	296.3
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Anti-melanoma agent 3 (compound 5cb) is a 2-aryl-4-benzoyl-imidazole (ABI) derivative and an inhibitor of melanoma xenogeneic tumors. Anti-melanoma agent 3 exerts anticancer activity by interacting with the colchicine binding site to inhibit tubulin polymerization ^[1] .
In Vitro	Anti-melanoma agent 3 has anti-proliferative activity and can inhibit the growth of melanoma cell lines and prostate cancer cell lines ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Anti-melanoma agent 3 (10, 30 mg/kg; ip; once a day for 14 days) can significantly inhibit tumor growth in B16-F1 tumor-bearing mice ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Chen J, et al. Discovery of novel 2-aryl-4-benzoyl-imidazoles targeting the colchicines binding site in tubulin as potential anticancer agents. J Med Chem. 2010 Oct 28;53(20):7414-27.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

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