Mutabilol

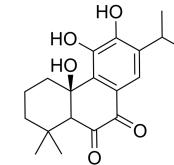
Cat. No.:	HY-N10562	HO
Molecular Formula:	C ₁₉ H ₂₄ O ₅	HO, 🗼 🖯
Molecular Weight:	332.39	
Target:	P-glycoprotein	
Pathway:	Membrane Transporter/Ion Channel	
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	

Description		Mutabilol (compound 1) is a potent p-glycoprotein (P-gp) regulator. Mutabilol is a nature product could be isolated from Plectranthus mutabilis leaves. Mutabilol increases the P-gp expression in NCI-H460/R cells ^[1] .	
In Vitro	NCI-H460/R, and MRC-5 Mutabilol (5 and 10 μM; H460/R cells ^[1] .	MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Cell Line:	NCI-H460, NCI-H460/R, and MRC-5 cells	
	Concentration:	2, 5, 10, 20, and 50 μM	
	Incubation Time:	72 hours	
	Result:	Showed low toxicity of cancer cell lines (IC ₅₀ >50µM)	

REFERENCES

[1]. Ntungwe EN, et al. C20-nor-Abietane and Three Abietane Diterpenoids from Plectranthus mutabilis Leaves as P-Glycoprotein Modulators. ACS Med Chem Lett. 2022 Mar 11;13(4):674-680.

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Product Data Sheet

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

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