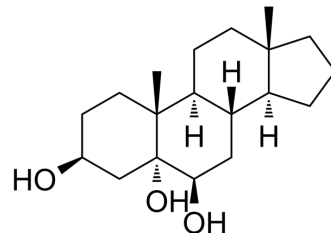


5 α -Androstane-3 β ,5,6 β -triol

Cat. No.:	HY-100206
CAS No.:	4725-51-3
Molecular Formula:	C ₁₉ H ₃₂ O ₃
Molecular Weight:	308.46
Target:	AMPK
Pathway:	Epigenetics; PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	5 α -Androstane-3 β ,5,6 β -triol is a neuroprotectant. 5 α -Androstane-3 β ,5,6 β -triol can remarkably reverse intracellular acidification and alleviate neuronal injury through the inhibition of AMPK signaling. 5 α -Androstane-3 β ,5,6 β -triol remarkably reduced the infarct volume and attenuated neurologic impairment in acute ischemic stroke models of middle cerebral artery occlusion in vivo ^[1] .
IC ₅₀ & Target	AMPK ^[1]

REFERENCES

[1]. Xue D, et al. TRIOL Inhibits Rapid Intracellular Acidification and Cerebral Ischemic Injury: The Role of Glutamate in Neuronal Metabolic Reprogramming. ACS Chem Neurosci. 2022 Jun 30.

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

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