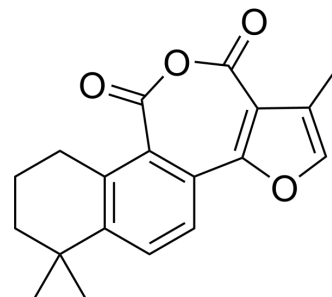


Tanshinone IIA anhydride

Cat. No.:	HY-N10686
CAS No.:	61077-78-9
Molecular Formula:	C ₁₉ H ₁₈ O ₄
Molecular Weight:	310.34
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Tanshinone IIA anhydride is a potent and irreversible human carboxylesterase (CE) inhibitor with K _i values of 1.9 nM and 1.4 nM for human CE1 and the human intestinal CE (hiCE), respectively ^[1] .
IC ₅₀ & Target	Ki: 1.9 nM (Human carboxylesterase (CE)) and 1.4 nM (human intestinal CE) ^[1]

REFERENCES

[1]. M Jason Hatfield, et al. Potent, Irreversible Inhibition of Human Carboxylesterases by Tanshinone Anhydrides Isolated from *Salvia miltiorrhiza* ("Danshen"). *J Nat Prod.* 2018 Nov 26;81(11):2410-2418.

[2]. M Jason Hatfield, et al. Potent, Irreversible Inhibition of Human Carboxylesterases by Tanshinone Anhydrides Isolated from *Salvia miltiorrhiza* ("Danshen"). *J Nat Prod.* 2018 Nov 26;81(11):2410-2418.

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

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