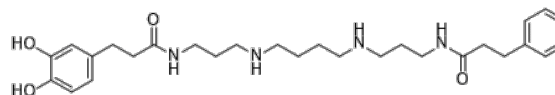


Product Name : Kukoamine A
Cat. No. : PC-26771
CAS No. : 75288-96-9
Molecular Formula : C₂₈H₄₂N₄O₆
Molecular Weight :
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Kukoamine A (KuA) is a potent and selective inhibitor of *Crithidia fasciculata* trypanothione reductase (TR) with K_i of 1.8 μ M, with no significant inhibition on human glutathione reductase, possesses antioxidant, anti-inflammatory activities. Kukoamine A inhibits human glioblastoma cell growth and migration in vitro and in vivo through apoptosis induction and epithelial-mesenchymal transition attenuation by downregulating expressions of 5-LOX and C/EBP β . Kukoamine A disrupts AARS2-AP-2 γ interaction and, demonstrates improved liver targeting, potent antitumour activity and synergy with PD-1 blockade in hepatocellular carcinoma (HCC).

References

- Ponasiak JA, et al. *Biochem J.* 1995 Oct 15;311 (Pt 2)(Pt 2):371-5.
Chitkul B, et al. *Bioorg Med Chem Lett.* 2000 Oct 16;10(20):2367-9.
Wang Q, et al. *Sci Rep.* 2016 Nov 8;6:36543.
Li Q, et al. *Gut.* 2026 May 11;gutjnl-2025-337330.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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