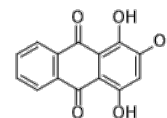


Product Name : Purpurin
Cat. No. : PC-23556
CAS No. : 81-54-9
Molecular Formula : C₁₄H₈O₅
Molecular Weight : 256.21
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Purpurin is a potent, specific inhibitor of glutamate dehydrogenase 1 (GDH1/GLUD1) with K_i of 1.9 μ M, inhibits cancer cell proliferation and tumor growth.

Purpurin specifically inhibits activity of GDH but not other NADPH-dependent enzymes such as 6-phosphogluconate dehydrogenase (6PGD) and fumarate hydratase (FH) in vitro.

Purpurin exerts dose-dependently antidepressant-like effects on behavior and stress axis reactivity in adult male C57BL/6J mice.

References

Jin L, et al. Cancer Cell. 2015 Feb 9;27(2):257-70.

Ma L, et al. Psychopharmacology (Berl). 2020 Mar;237(3):887-899.

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

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