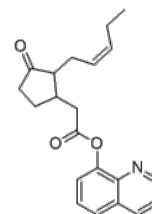


Product Name : Tuvatexib
Cat. No. : PC-35768
CAS No. : 2055404-90-3
Molecular Formula : C₂₁H₂₃NO₃
Molecular Weight : 337.419
Target : Hexokinase
Solubility : 10 mM in DMSO



Biological Activity

Tuvatexib is a potent, selective small molecule modulator of **Hexokinase 2 (HK2)** interaction with the mitochondria, selectively dissociates HK2 from VDAC1 in vitro with IC₅₀ of 92 nM.

Tuvatexib does not affect the VDAC1/HK1 complex.

Tuvatexib dose-dependent reduces mitochondrial-bound HK2 levels in human skin SCC A431 cells with IC₅₀ of 0.8 μM, reduces glycolysis and triggers apoptosis in cancer cells, without affecting hexokinase 1-expressing normal cells.

Tuvatexib demonstrates anti-cancer activity in UVB-damaged skin model in SKH-1 mice.

References

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PCT Int. Appl. (2018), WO 2018083705 A1 20180511.

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

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