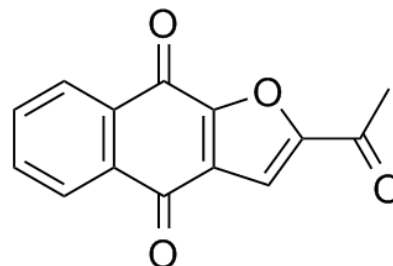


Product Name : Napabucasin
Cat. No. : PC-43790
CAS No. : 83280-65-3
Molecular Formula : C₁₄H₈O₄
Molecular Weight : 240.2109
Target : STAT
Solubility : 10 mM in DMSO



Biological Activity

Napabucasin (BBI-608) is a potent small-molecule inhibitor of **STAT3** that has a broad spectrum of activity against stemness-high cancer cells (IC₅₀=0.5-1.5 μM).

Napabucasin (BBI-608) blocks spherogenesis of cancer stem cells (CSC), but not hematopoietic stem cells.

Napabucasin (BBI-608) significantly reduces the expression of various stemness genes, including Nanog, Sox2, and Oct4 (POU5F1).

Napabucasin (BBI-608) significantly inhibits PaCa-2 xenograft tumor growth, and inhibits cancer relapse and metastasis.

References

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Zhang Y, et al. *Cancer Med*. 2016 Jun;5(6):1251-8.

Hubbard JM, et al. *Drugs*. 2017 Jul;77(10):1091-1103.

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

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