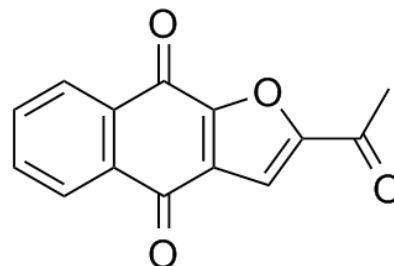


Product Name : Napabucasin
Cat. No. : PC-43790
CAS No. : 83280-65-3
Molecular Formula : C₁₄H₈O₄
Molecular Weight : 240.2109
Target : STAT
Solubility : 10 mM in DMSO



Biological Activity

Napabucasin (BBI608) 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 (BBI608) blocks spherogenesis of cancer stem cells (CSC), but not hematopoietic stem cells.

Napabucasin (BBI608) significantly reduces the expression of various stemness genes, including Nanog, Sox2, and Oct4 (POU5F1).

Napabucasin (BBI608) significantly inhibits PaCa-2 xenograft tumor growth, and inhibits cancer relapse and metastasis.

References

Li Y, et al. *Proc Natl Acad Sci U S A*. 2015 Feb 10;112(6):1839-44.

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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