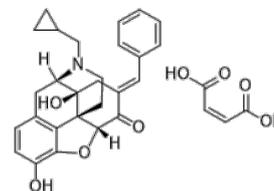


Product Name : BNTX maleate
Cat. No. : PC-26101
CAS No. : 864461-31-4
Molecular Formula : C₃₁H₃₁NO₈
Molecular Weight : 545.59
Target : Opioid Receptor
Solubility : 10 mM in DMSO



Biological Activity

BNTX (7-benzylidenenaltrexone) maleate is a selective δ_1 -opioid receptor antagonist with the K_i of 0.1 nM, >100-fold selective over δ_2 -, μ -, and κ -opioid receptors.

BNTX maleate significantly reduced Helios expression in a dose-dependent manner, without altering CD8+ T cell survival in primary murine CD8+ T cells.

BNTX also sensitized pancreatic cancer cells to TRAIL-induced apoptosis by downregulating XIAP via inhibition of the PKC α /AKT signaling pathway.

References

Rubio RM, et al. Cell Rep. 2025 Dec 11;44(12):116680.

Portoghese PS, et al. Eur J Pharmacol. 1992 Jul 21;218(1):195-6.

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

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