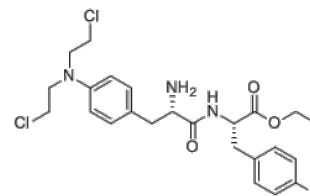


Product Name : Melflufen hydrochloride
Cat. No. : PC-60562
CAS No. : 380449-54-7
Molecular Formula : C₂₄H₃₁Cl₃FN₃O₃
Molecular Weight : 534.88
Target : DNA Alkylator/Crosslinker
Solubility : 10 mM in DMSO



Biological Activity

Melflufen hydrochloride (Melphalan flufenamide, J1) is a novel dipeptide and **alkylating prodrug of melphalan**, inhibits angiogenesis in vitro and in vivo.

Melflufen shows cytotoxic activity against lymphoma cell lines with IC₅₀ of 0.011-0.92 μM, also shows significantly lower IC₅₀ than melphalan in multiple myeloma cells.

Melflufen induces apoptosis even in melphalan- and bortezomib-resistant multiple myeloma cells.

References

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Delforouh M, et al. *BMC Cancer*. 2016 Apr 4;16:263.

Chauhan D, et al. *Clin Cancer Res*. 2013 Jun 1;19(11):3019-31.

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

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