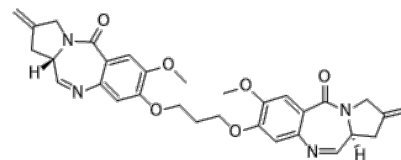

Product Name	: SJG-136
Cat. No.	: PC-22218
CAS No.	: 232931-57-6
Molecular Formula	: C ₃₁ H ₃₂ N ₄ O ₆
Molecular Weight	: 556.62
Target	: DNA Alkylator/Crosslinker
Solubility	: 10 mM in DMSO



CAS: 232931-57-6

Biological Activity

SJG-136 (SG2000, NSC 694501) is a potent DNA cross-linking agent and DNA-binding payload with XL50 (50% cross-linking of pBR322 DNA) of 45 nM, shows potent antitumor activity.

SJG-136 is cytotoxic to ovarian cell lines, such as A2780 (IC₅₀, 22.5 pM), A2780cisR (IC₅₀, 24 pM), CH1 (IC₅₀, 0.12 nM), CH1cisR (IC₅₀, 0.6 nM), and SKOV-3 (IC₅₀, 9.1 nM).

SJG-136 reduces the viability of a panel of canine cancer cells, with GI₅₀ values ranging from 0.33 - >100 nM.

SJG-136 shows potent antitumor effect against CMeC-1 tumour at 0.30 mg/kg than 0.15 mg/kg in mice, induces H2AX phosphorylation.

References

Gregson SJ, et al. J Med Chem. 2001 Mar 1;44(5):737-48.

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

E-mail: tech@probechem.com
