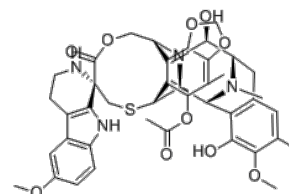


Product Name : Lurbinectedin
Cat. No. : PC-38616
CAS No. : 497871-47-3
Molecular Formula : C₄₁H₄₄N₄O₁₀S
Molecular Weight : 784.881
Target : DNA/RNA Synthesis
Solubility : 10 mM in DMSO



Biological Activity

Lurbinectedin (PM01183) is a marine-derived **DNA minor groove** covalent binder with potent in vitro and in vivo anti-tumour activity, inhibits RMG1 and RMG2 cell growth with IC₅₀ of 1.25 nM and 1.16 nM, respectively. Lurbinectedin (PM01183) inhibits growth of orthotopic primary graft of cisplatin-resistant epithelial ovarian cancer. Lurbinectedin (PM01183) attenuates nucleotide excision repair (NER) and shows activity toward platinum-resistant cells. Lurbinectedin (PM01183) inactivates EWS-FLI1 transcription factor by redistributing the protein within the nucleus to the nucleolus.

References

- Vidal A, et al. *Clin Cancer Res*. 2012 Oct 1;18(19):5399-411.
 Soares DG, et al. *Mol Cancer Ther*. 2011 Aug;10(8):1481-9.
 Elez ME, et al. *Clin Cancer Res*. 2014 Apr 15;20(8):2205-14.
 Harlow ML, et al. *Cancer Res*. 2016 Nov 15;76(22):6657-6668.

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

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