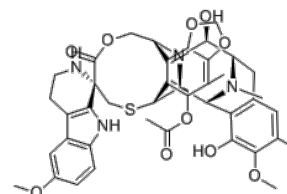


**Product Name** : Lurbinededin  
**Cat. No.** : PC-38616  
**CAS No.** : 497871-47-3  
**Molecular Formula** : C<sub>41</sub>H<sub>44</sub>N<sub>4</sub>O<sub>10</sub>S  
**Molecular Weight** : 784.881  
**Target** : DNA/RNA Synthesis  
**Solubility** : 10 mM in DMSO



## Biological Activity

Lurbinededin (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 IC<sub>50</sub> of 1.25 nM and 1.16 nM, respectively.

Lurbinededin (PM01183) inhibits growth of orthotopic primary graft of cisplatin-resistant epithelial ovarian cancer.

Lurbinededin (PM01183) attenuates nucleotide excision repair (NER) and shows activity toward platinum-resistant cells.

Lurbinededin (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!**

E-mail: tech@probechem.com