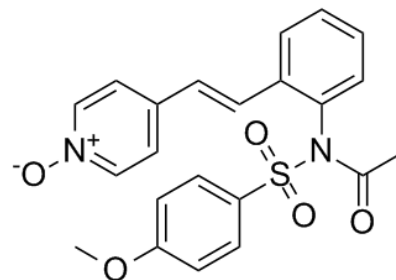


**Product Name** : HMN-214  
**Cat. No.** : PC-42860  
**CAS No.** : 173529-46-9  
**Molecular Formula** : C<sub>22</sub>H<sub>20</sub>N<sub>2</sub>O<sub>5</sub>S  
**Molecular Weight** : 424.4696  
**Target** : Polo-like Kinase (PLK)  
**Solubility** : 10 mM in DMSO



## Biological Activity

HMN-214 (IVX 214, TV-7101) is a prodrug of HMN-176 for oral administration, HMN-176 is a stilbene derivative that interferes with the subcellular spatial location of **PLK1**, does not inhibit PLK directly. HMN-214 suppresses the expression of MDR1 mRNA in mouse xenograft model implanted with KB-A.1, an Adriamycin-resistant cell line. HMN-176 inhibits the Y-box-dependent promoter activity of the MDR1 gene in a dose-dependent manner.

## References

- Tanaka H, et al. *Cancer Res.* 2003 Oct 15;63(20):6942-7.  
Takagi M, et al. *Invest New Drugs.* 2003 Nov;21(4):387-99.  
Garland LL, et al. *Clin Cancer Res.* 2006 Sep 1;12(17):5182-9.  
Christensen MD, et al. *J Control Release.* 2015 Apr 28;204:20-9.

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

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