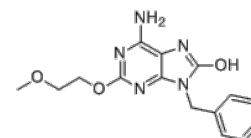


**Product Name** : SM360320  
**Cat. No.** : PC-72050  
**CAS No.** : 226907-52-4  
**Molecular Formula** : 315-333  
**Molecular Weight** : C15H17N5O3  
**Target** : Toll-like Receptor (TLR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

SM360320 (CL-087, 1V136) is a potent, orally active and selective **TLR7** agonist (ligand).

SM360320 inhibited HCV replication in Huh-7 cells in a dose-dependent manner in the Huh-7 replicon system, reduced HCV mRNA and protein levels in isolated Huh-7 hepatocytes.

SM360320 induced in vivo secretion of interferon alpha (IFNalpha) and exerted a significant antitumor effect in CEA.Tg mice challenged with a syngenic tumor cell line expressing CEA.

SM360320 exerts significant antitumor effects and can act in association with DNA-EP for CEA-positive colon cancer and HER2-positive mammary carcinoma.

Repeated low dose administration of SM360320 induced hyporesponsiveness or tolerance to TLR2, -7, and -9 activators and limited the course of neural inflammation in an experimental allergic encephalomyelitis model.

## References

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Hayashi T, et al. *Proc Natl Acad Sci U S A*. 2009 Feb 24;106(8):2764-9.

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

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