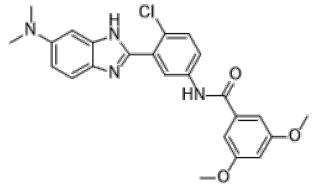


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<b>Product Name</b>	:	HhAntag
<b>Cat. No.</b>	:	PC-25922
<b>CAS No.</b>	:	496794-70-8
<b>Molecular Formula</b>	:	C <sub>24</sub> H <sub>23</sub> CIN <sub>4</sub> O <sub>3</sub>
<b>Molecular Weight</b>	:	450.92
<b>Target</b>	:	Smoothened (Smo)
<b>Solubility</b>	:	10 mM in DMSO



## Biological Activity

HhAntag (HhAntag-691) is a potent, specific, and orally active small molecule Smoothened (Smo) antagonist, inhibits Sonic Hedgehog (Shh) pathway.

HhAntag inhibits Gli1 expression in a dose-dependent manner in tumor tissue in vivo.

HhAntag at 20 or 100 mg/kg of body weight, by oral gavage, for 4 days, inhibited tumor cell proliferation and increased apoptosis.

HhAntag inhibits not only hedgehog signaling, but also modulates canonical and non-canonical BMP signaling and blocks basal and rhBMP2-stimulated chondrogenesis

## References

Romer JT, et al. Cancer Cell. 2004 Sep;6(3):229-40.  
Gabay L, et al. Neuron. 2003 Oct 30;40(3):485-99.  
Mundy C, et al. J Cell Physiol. 2016 May;231(5):1033-44.

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

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