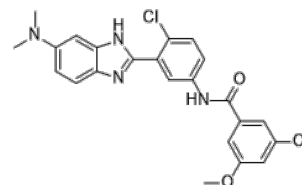


Product Name : HhAntag
Cat. No. : PC-25922
CAS No. : 496794-70-8
Molecular Formula : C₂₄H₂₃ClN₄O₃
Molecular Weight : 450.92
Target : Smoothened (Smo)
Solubility : 10 mM in DMSO



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

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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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