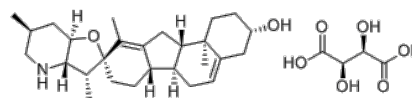


Product Name : Cyclopamine tartrate
Cat. No. : PC-63064
CAS No. : 1178510-81-0
Molecular Formula : C₅₈H₈₈N₂O₁₀
Molecular Weight : 973.32
Target : Hedgehog (Hh)
Solubility : 10 mM in DMSO



Biological Activity

Cyclopamine tartrate is a natural steroidal alkaloid that inhibits **hedgehog (Hh)** signaling with IC₅₀ of 46 nM. Cyclopamine tartrate inhibits hedgehog-dependent expression of Pax7 with IC₅₀ of 24 nM, blocks the response of neural plate explants to recombinant Shh-N. Cyclopamine tartrate is a useful tool in studying the role of Hh in normal development, and as a potential treatment for certain cancers in which Hh is overexpressed.

References

- Peukert S, et al. *Bioorg Med Chem Lett*. 2009 Jan 15;19(2):328-31.
Cooper MK, et al. *Science*. 1998 Jun 5;280(5369):1603-7.
Incardona JP, et al. *Development*. 1998 Sep;125(18):3553-62.

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

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