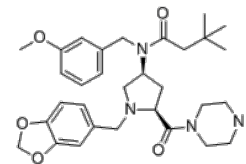


Product Name : CUR61414
Cat. No. : PC-62178
CAS No. : 334998-36-6
Molecular Formula : C₃₁H₄₂N₄O₅
Molecular Weight : 550.7
Target : Smoothened (Smo)
Solubility : 10 mM in DMSO



Biological Activity

CUR61414 is a small molecule Hedgehog (Hh) inhibitor that can block elevated **Hh signaling** activity resulting from oncogenic mutations in Patched-1, binds directly with **Smoothened** (K_i=44 nM).

CUR61414 inhibits Hh-induced cellular activity (IC₅₀=100-200 nM).

CUR61414 suppresses proliferation and induces apoptosis of basaloid nests in the BCC model systems, whereas having no effect on normal skin cells.

References

Williams JA, et al. *Proc Natl Acad Sci U S A*. 2003 Apr 15;100(8):4616-21.

Angot E, et al. *Stem Cells*. 2008 Sep;26(9):2311-20.

Frank-Kamenetsky M, et al. *J Biol*. 2002 Nov 6;1(2):10.

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

E-mail: tech@probechem.com