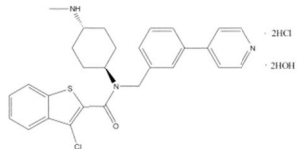


Product Sheet

SAG, SMO agonist

Catalog #	SAG-001; SAG-005; SAG-025
Description	SAG is a highly potent agonist of SMO (smoothened). This small molecule compound activates the hedgehog pathway by directly binding to SMO. Note: in the Gli-1 reporter gene assay, SAG acts as an activator at concentrations from approximately 1 nM to 1 uM, but as an inhibitor at concentrations high than 1 uM. <i>Ref: Chen, J.K., et al. 2002. Proc. Natl. Acad. Sci. USA 99, 14071</i>
Formulation	Powder
Reconstitution	The compound has been dissolved in DMSO.
Stability	The powder is stable for at least 2 year if stored at -20 degree C. The dissolved compound is stable for at least 1 month at 4 degree C, but should be stored in aliquots at -20 degree C for longer term. Protect from light.
Purity	Greater than 98% as determined by LC/MS analysis. LC/MS and/or NMR data available upon request.
Biological Activity	In a cell-based assay measuring the activation of the Gli-1 reporter gene, this compound gives EC50 of 2-10 nM.

Structural Info



MW: 599

Formula: C₂₈H₂₈ClN₃OS·2HCl·2H₂O

Solubility: Soluble in DMSO or H₂O at 10 mM.

CAS: 364590-63-6

Hazard/toxicity **This compound is potentially toxic. Handle with extreme care.**

For Research Use Only. Not for Use in Humans.