



MANUFACTURED BY VDM BIOCHEMICALS.LLC
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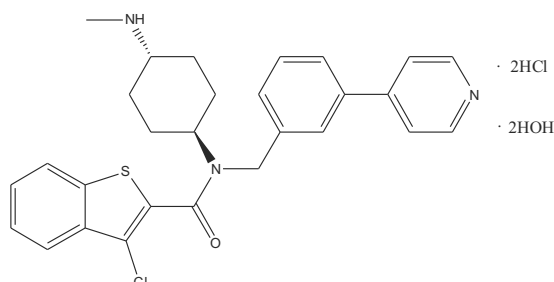
CERTIFICATE OF ANALYSIS

Product name: **Smoothened Agonist, HCl**

Cat. number: **VD-NP-00118** CAS Number: **364590-63-6** Lot number: **VD008512** www.vdmbio.com

Personal protective equipment

- Lab coat.
- Safety glasses.



Product Specification

Formula:	C ₂₈ H ₂₈ ClN ₃ OS·2HCl·2H ₂ O
MW:	599.0
Purity:	>=98%
Appearance:	Light yellow solid
Solubility:	DMSO (10 mg/ml) or H ₂ O (25 mg/ml).
Storage:	+2°C to +8°C. Protect from light.
Synonyms:	SAG _{1,3} ,HCl
NMR:	Consistent with structure.

Product Description

Smoothened Agonist, SAG is a highly potent activator of Smo (smoothened). This chlorobenzothiophene compound is a hedgehog pathway agonist that interacts with the heptahelical domain of Smo. SAG is shown to act as an activator at low concentrations, but can inhibit Smo coupling at very high concentrations.

Quality controle department:

This material is chemically synthesized. **Made in USA**

TO BE USED FOR RESEARCH PURPOSES ONLY. NOT FOR DRUG OR CLINICAL USE IN HUMANS OR FOOD ADDITIVE USE