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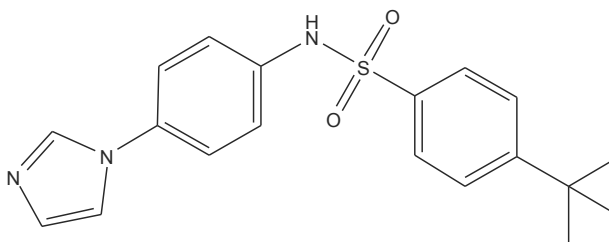
CERTIFICATE OF ANALYSIS

Product name: **Stem-Cell Factor/c-Kit Inhibitor, ISCK03**

Cat. number: **VD-OEIA-10015** CAS Number: **945526-43-2** Lot number: **VD8710906** www.vdmbio.com

Personal protective equipment

- Lab coat.
- Safety glasses.



Product Specification

Formula:	C ₁₉ H ₂₁ N ₃ O ₂ S
MW:	355.5
Purity:	≥97% by HPLC
Appearance:	A crystalline solid.
Solubility:	DMSO or EtOH
Storage:	+2°C to +8°C. Protect from light.
Synonyms:	SCF/c-Kit Signaling Inhibitor, ISCK03

Product Description:

In 501mel melanoma cells, this cell-permeable, phenyl-imidazolesulfonamide compound has demonstrated inhibitory c-kit activity and blocks SCF-induced c-kit and Erk phosphorylation without any effect on HGF-induced Erk phosphorylation. Oral administration of ISCK03 is also shown to induce hair depigmentation in C57BL/6 mice in a dose-dependent and reversible manner. Additionally, topical application has been demonstrated to diminish UV-induced pigmentation and epidermal melanin level, in Brownish guinea pigs in vivo.

Quality control 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