



MANUFACTURED BY VDM BIOCHEMICALS, INC.

5386 MAJESTIC PARKWAY, UNIT-9, BEDFORD HEIGHTS, OH 44146, USA

PHONE NUMBER: 1-440-786-9400

FAX NUMBER: 1-440-786-9410

EMAIL: SALES@VDMBIO.COM

www.vdmbio.com

CERTIFICATE OF ANALYSIS

Product name: **Akt Inhibitor XI**

Cat. number: **VD-AM-0061**

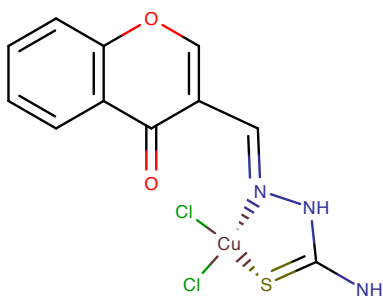
CAS Number: **902779-59-3**

Lot number: **VD17-4270201**

Personal protective equipment

■ Lab coat.

■ Safety glasses.



Product Specification

Formula: C₁₁H₉Cl₂CuN₃O₂S

MW: 381.7

Purity: ≥98%.

Appearance: Green solid.

Solubility: H₂O (5 mg/ml) or DMSO (2 mg/ml).

Storage: +2°C to +8°C.

Synonyms: FPA-124

Product Description

Akt Inhibitor XI (CAS 902779-59-3) is a cell-permeable copper complex (Cu²⁺/Cu⁺ redox couple in the range of +0.28 to +0.35 V) that interacts with both the PH and the kinase domains of Akt and potently inhibits its kinase activity (IC₅₀ = 100 nM). Inhibits tumor growth both in cultured cells in vitro (IC₅₀ ranges from 10 to 34 μM) and in mice in vivo (25 mg/kg, iv) without any apparent adverse effect to the animals.

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