

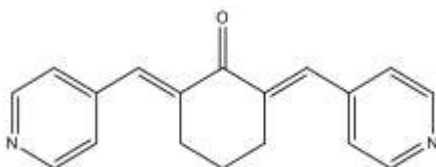
## SC66

**ALTERNATE NAME:** (2E, 6E)-2, 6-Bis(pyridine-4ylmethylene)cyclohexanone

**CATALOG #:** 1870-10, 50

**AMOUNT:** 10 mg, 50 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>18</sub>H<sub>16</sub>N<sub>2</sub>O

**MOLECULAR WEIGHT:** 276.33

**CAS NUMBER:** 871361-88-5

**APPEARANCE:** Yellow solid

**SOLUBILITY:** DMSO (>40 mg/ml)

**PURITY:** ≥98% by TLC

**STORAGE:** Store at -20 °C

**DESCRIPTION:** Cell-permeable. An allosteic Akt inhibitor that directly facilitates Akt ubiquitination in vitro and in vivo. SC66 displays a dual inhibitory activity that directly interferes with the pleckstrin homology (PH) domain binding to PIP<sub>3</sub> and facilitates Akt ubiquitination. Due to its dual inhibitory activity, SC66 displays a more effective growth suppression of transformed cells that contain a high level of Akt signaling, compared with other inhibitors of PIP<sub>3</sub>/Akt pathway.

**REFERENCE:** Jo, H., *et al.* (2011). *Proc. Natl. Acad. Sci. USA* **108**, 6486-6491.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**FOR RESEARCH USE ONLY! Not to be used on humans.**

**RELATED PRODUCTS:**

- Akt Inhibitor (**Cat. No. 1701-1**)
- Akt Inhibitor, Isozyme-Selective (**Cat. No. 1708-1**)
- DiscoveryPak™ PI 3 Kinase Inhibitor Set (**Cat. No. K856-5**)
- Perifosine(KRX-0401) (**Cat. No. 1592-5, 25**)
- SH-5 (**Cat. No. 1818-500**)
- SH-6 (**Cat. No. 1819-500**)
- Triciribine (**Cat. No. 1707-1**)