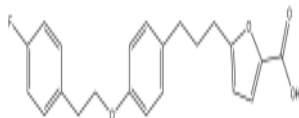


PRODUCT: AMPK Activator, D942**ALTERNATE NAME:** 5-(3-(4-(2-(4-Fluorophenyl)ethoxy)phenyl)propyl)furan-2-carboxylic acid**CATALOG #:** 2341-1, 5**AMOUNT:** 1 mg, 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₂H₂₁FO₄**MOLECULAR WEIGHT:** 368.40**CAS NUMBER:** 849727-81-7**APPEARANCE:** Light yellow solid**SOLUBILITY:** DMSO (10 mg/ml)**PURITY:** ≥98% HPLC**STORAGE:** At -20°C. Protect from air and light**DESCRIPTION:** Cell-permeable. A potent activator of AMPK (AMP-activated protein kinase). The activation of AMPK was achieved through inhibition of NAD(P)H dehydrogenase [quinone] 1 (complex I). D942 increases glucose uptake in L6 myocytes, and inhibits CCL2-induced mTORC1 activity and survivin expression in human prostate cancer PC-3 cells.**REFERENCES:** Roca, H., *et al.* (2009). *Neoplasia* **11**, 1309-1317; Kosaka, T., *et al.* (2005). *Anal. Chem.* **77**, 2050-2055;**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

A-769662 (Cat. No. 1719-5)

AICAR (1687-50, 250)

Cordycepin (Cat. No. 2078-10, 50)

Metformin hydrochloride (Cat. No. 1691-5G)

Phenformin hydrochloride (Cat. No. 1889-100, 1000)

USAGE: ***FOR RESEARCH CH USE ONLY! Not to be used in humans***