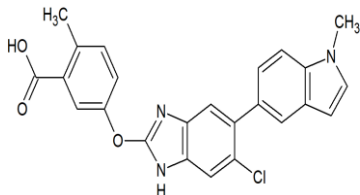


EX-229

ALTERNATE NAME: EX229
AMPK Activator 991
5-[[6-chloro-5-(1-methylindol-5-yl)-1H-benzimidazol-2-yl]oxy]-2-methyl-benzoic acid

CATALOG #: B2434-5 5 mg
B2434-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₄H₁₈ClN₃O₃

MOLECULAR WEIGHT: 431.87

CAS NUMBER: 1219739-36-2

APPEARANCE: Off-white solid

PURITY: ≥98% by HPLC

SOLUBILITY: >5 mg/ml DMSO

STORAGE CONDITIONS: -20°C

DESCRIPTION: EX-229 is a potent and allosteric activator of AMP-activated protein kinase (AMPK). In rat epitrochlearis muscle, ex229 dose-dependently increases AMPK activity of α1-, α2-, β1- and β2-containing complexes with significant increases in AMPK activity seen at a concentration of 50 μM.

REFERENCES: Lai, Y.C., et al. (2014). Biochem. J. 460, 363-375.

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

RELATED PRODUCTS:

AICAR (1687)
AICA riboside, 5'-phosphate (9416)
AMPK Activator, D942 (2341)
Phenformin hydrochloride (1889)
A-769662 (1719)
EZSolution™ AICAR (2344)

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