

ex229 activator

ex229 (compound 991)

CATALOG #
AAA210694

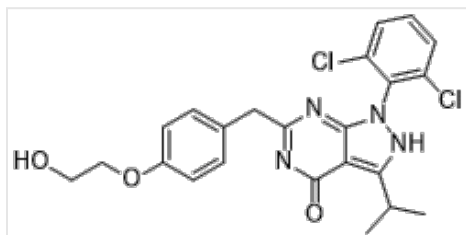
PRODUCT SYNONYMS

ex229; ex229 (compound 991); ex-229; ex 229; ex229 activator

PRODUCT SPECIFICATIONS

Purity/Purification	>98%
Solubility	DMSO
Formula	C ₂₄ H ₁₈ ClN ₃ O ₃
SMILES	<chem>CC1=C(C=C(C=C1)OC2=NC3=C(N2)C=C(C(=C3)C4=CC5=C(C=C4)N(C=C5)C)Cl)C(=O)O</chem>
CAS Number	1219739-36-2
Targets	Target: AMPK alpha1β1β1-Value: 0.06 μM (Kd) Target: AMPK alpha1β2y1-Value: 0.51 μM (Kd) Target: AMPK alpha2β1y1 Value: 0.06 μM (Kd)
Solubility	In vitro DMSO: 11 mg/mL (25.47 mM) Water: Insoluble Ethanol: Insoluble
Stock Solutions	0.1 mM: Concentration 1mg: 23.16 mL/ Solvent Volume 5mg: 115.78 mL/ Mass 10mg: 231.55 mL 0.5 mM: Concentration 1mg: 4.63 mL/ Solvent Volume 5mg: 23.16 mL/ Mass 10mg: 46.31 mL 1 mM: Concentration 1mg: 2.32 mL/ Solvent Volume 5mg: 11.58 mL/ Mass 10mg: 23.16 mL 5 mM: Concentration 1mg: 0.46 mL/ Solvent Volume 5mg: 2.32 mL/ Mass 10mg: 4.63 mL
Preparation and Storage	Store lyophilized at -20°C, keep desiccated. In solution, store at -20°C to prevent loss of potency. Aliquot to avoid multiple freeze/thaw cycles.

IMAGES



Chemical Structure

ADDITIONAL INFORMATION

Related Product Information for ex229
activator

EX229 (compound 991) is a potent AMPK activator that is 5-10-fold more potent than A769662 in activating AMPK.

Product Categories/Family for ex229 activator	AMPK activator
References	CN Koyani,.et al. Empagliflozin Protects Heart From Inflammation and Energy Depletion via AMPK Activation, Pharmacol Res, 2020, May 17;158:104870 PMID: 32434052

NCBI AND UNIPROT INFORMATION

Molecular Weight	431.87
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/activator/ex229/210694>