

AMPK Signaling

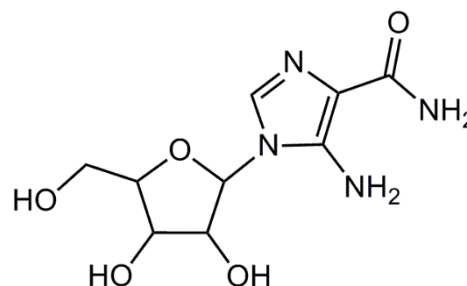
AMPK (AMP-activated protein kinase) is involved in various physiological processes such as glucose metabolism, lipid metabolism, insulin sensitivity and autophagy. Activation of AMPK has been linked to various health benefits, including improved insulin sensitivity, protection against cardiovascular diseases and potential anti-aging effects. Therefore, AMPK activation has gained interest as a potential target for therapeutic interventions in metabolic disorders such as diabetes, obesity and cardiovascular diseases.

AMPK activators are compounds or substances that stimulate the activity of AMPK. These activators can work through various mechanisms to increase the activity of AMPK, ultimately leading to changes in cellular metabolism and energy balance. Some natural compounds, pharmaceutical drugs and lifestyle interventions have been identified as AMPK activators.

AMPK Activators Highlights

AICAR

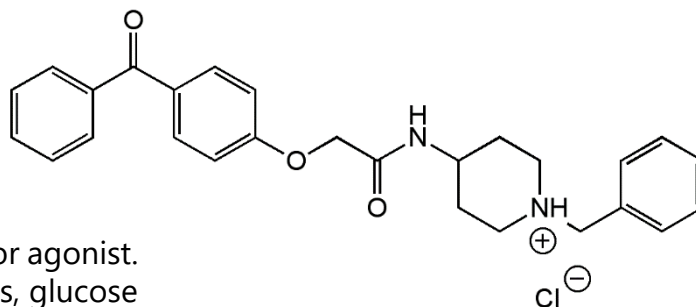
PID: AG-CR1-0061
Formula: C₉H₁₄N₄O₅
MW: 258.2
CAS: 2627-69-2



Description: Cell permeable AMPK activator. Insulin mimetic.

AdipoRon . HCl (water soluble)

PID: AG-CR1-0156
Formula: C₂₇H₂₈N₂O₃ . HCl . H₂O
MW: 428.5 . 36.5 . 18.0
CAS: 924416-43-3 (free base)



Description: Orally-active adiponectin receptor agonist. Activates AMPK and PGC1 α . Improves diabetes, glucose and lipid metabolism and insulin sensitivity.

High Quality Biochemicals from Stock

AMPK Activators

PRODUCT NAME	PID	PRODUCT NAME	PID
AdipoRon CAS: 924416-43-3	AG-CR1-0154	Emodin CAS: 518-82-1	AG-CN2-0457
AdipoRon . HCl (water soluble) CAS: 924416-43-3 (free base)	AG-CR1-0156	(-)-Epigallocatechin gallate CAS: 989-51-5	AG-CN2-0063
AICAR CAS: 2627-69-2	AG-CR1-0061	Formononetin CAS: 485-72-3	CDX-F0339
(-)-Arctigenin CAS: 7770-78-7	AG-CN2-0530	Ginkgolide C CAS: 15291-76-6	CDX-G0214
(-)-Arctiin CAS: 20362-31-6	AG-CN2-0532	Ginsenoside Rg3 CAS: 14197-60-5	CDX-G0220
Berberine chloride CAS: 633-65-8	CDX-B0212	Metformin . HCl CAS: 1115-70-4	AG-CR1-3689
Compound 112254 CAS: 949745-75-9	AG-CR1-0155	MOTS-c (human) CAS: 1627580-64-6	AG-CP3-0026
Compound 112254 . HCl CAS: 949745-75-9 (free base)	AG-CR1-0157	MOTS-c (K14Q Mutant) (human) CAS: N/A	AG-CP3-0033
Cordycepin CAS: 73-03-0	CDX-C0339	(±)-Naringenin CAS: 67604-48-2	CDX-N0206
Corosolic acid CAS: 4547-24-4	CDX-C0704	Oleuropein CAS: 32619-42-4	AG-CN2-0538
Cucurbitacin E CAS: 18444-66-1	AG-CN2-0474	Oligomycin A CAS: 579-13-5	AG-CN2-0517
Demethoxycurcumin CAS: 22608-11-3	CDX-D0929	Piceatannol CAS: 10083-24-6	AG-CN2-0086
2-Deoxy-D-glucose CAS: 154-17-6	AG-CR1-3681	Rottlerin CAS: 82-08-6	AG-CN2-0526
Dioscin CAS: 19057-60-4	CDX-D0195	Sauchinone CAS: 177931-17-8	AG-CN2-0032

AMPK Inhibitors

PRODUCT NAME	PID	PRODUCT NAME	PID
1400W . 2HCl CAS: 214358-33-5	AG-CR1-0018	GSK690693 CAS: 937174-76-0	AG-CR1-3628
Adenine 9-β-D-arabinofuranoside CAS: 5536-17-4	CDX-A0279		