Mitochondrial Research II

FOCUS BIOMOLECULES

Urolithin A
Microbial metabolite that induces mitophagy and prolongs lifespan in C. elegans.[1] Suppresses NLRP3 inflammasome in microglial cells and a Parkinson's disease model.[2]

Product No: 10-3722 50 mg/ 1 g/

IM156
Potent activator of AMPK. Induces mitochondrial stress inhibition of mitochondrial protein complex I.[3]

Product No: 10-4657 5 mg/ 25 mg/

Dyclonine HCl
Topical anesthetic that enhances neuronal mitochondrial function, potentiating respiration and providing protection against insults associated with neurodegenerative disorders.[4]

Product No: 10-3895 500 mg/ 2 g/

BAM15
Mitochondrial protonophore uncoupler.[5] Stimulates a higher maximum rate of mitochondrial respiration and does not depolarize the plasma membrane.[6]

Product No: 10-5104 5 mg/ 25 mg/

Cereulide
Mitochondrial toxin that stimulates swelling and respiration in rat liver mitochondria.[7]

Product No: 10-2746 25 µg/

Beauvericin
Natural product disruptor of mitochondrial volume regulation.[8]

Product No: 10-2061 1 mg/ 5 mg/

Oligomycin complex
Inhibitor of mitochondrial F_1F_0 ATP synthase.[9]

Product No: 10-2092 5 mg/ 25 mg/

Bongkrekic acid
Potent inhibitory ligand of the mitochondrial adenine nucleotide translocase.[10] Inhibits mitochondrial permeability transition pore opening.[11,12]

Product No: 10-2751 100 µg/ 500 µg/

Valinomycin
Selective K+ ionophore that induces apoptosis by causing a rapid loss of mitochondrial membrane potential via potassium efflux.[13,14]

Product No: 10-2112 10 mg/ 50 mg/

CGP-37157
Inhibits the mitochondrial Na^+-Ca^{2+} exchanger (NCX).[15]

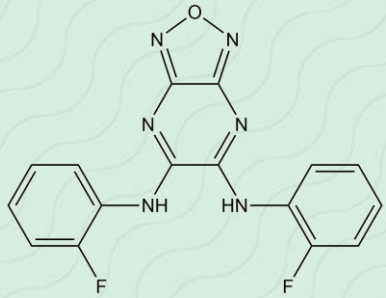
Product No: 10-4250 10 mg/ 50 mg/

TRO 19622 (Olesoxime)
Binds directly to components of the mitochondrial permeability pore including the voltage-dependent anion channel (VDAC) and translocator protein, inhibiting MPTP opening.[16]

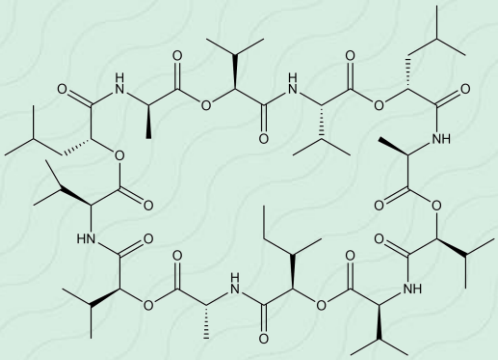
Product No: 10-3230 5 mg/ 25 mg/

IACS-010759
Potent and selective inhibitor of complex I of the mitochondrial transport chain.[17]

Product No: 10-4475 5 mg/ 25 mg/



BAM15



Cereulide

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