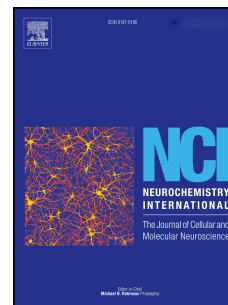


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Activation of M2 muscarinic acetylcholine receptors by a hybrid agonist enhances cytotoxic effects in GB7 glioblastoma cancer stem cells

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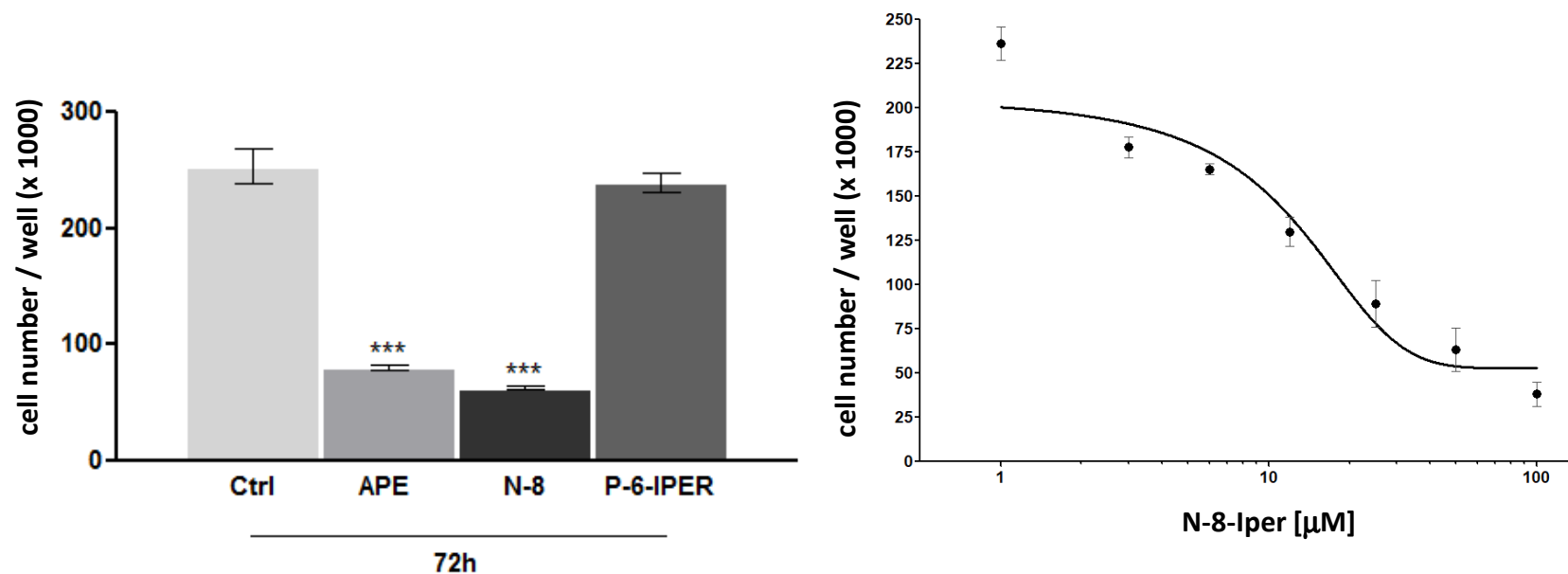
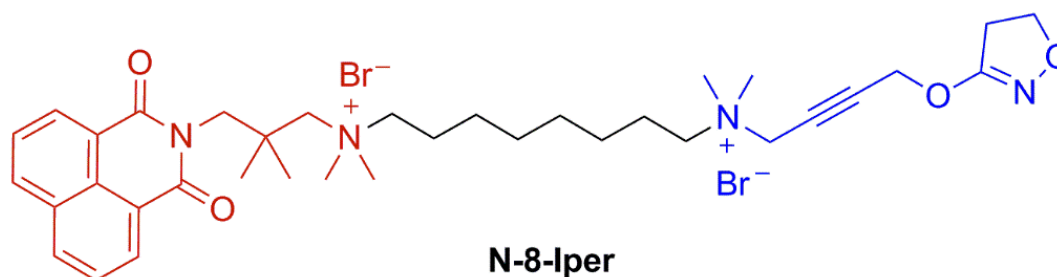
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Dualsteric muscarinic agonist N-8-Iper showed cytotoxic effects in GSCs.

N-8-Iper inhibited cell growth in a dose dependent manner and caused a decreased cell survival by induction of DNA damage.

The effects of N-8-Iper are mediated by M2 receptor activation.

Thus M2 activators result promising therapeutic agents for glioblastoma therapy.

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