



## Revive Therapeutics Provides Update on Research Study Evaluating Bucillamine for Nerve Agent Exposure

TORONTO, Oct. 31, 2024 -- Revive Therapeutics Ltd. ("Revive" or the "Company") (OTCQB: RVVTF) (CSE: RVV) (FRANKFURT:31R), a specialty life sciences company focused on the research and development of therapeutics for infectious diseases and medical countermeasures, announced today an update on the research study evaluating Bucillamine as a potential treatment for nerve agent exposure, in partnership with Defence R&D Canada – Suffield Research Centre ("DRDC"), an agency of the Canadian Department of National Defence. The DRDC is investigating pharmacological compounds, including Bucillamine, that can mitigate nerve agent induced brain injury.

The DRDC conducted an additional control study to achieve optimal dosing. The research study is progressing and is now expected to be completed with final results by the end of calendar 2024. The results from this research study, if promising, will determine further studies to facilitate FDA and Health Canada approvals for the use of Bucillamine in nerve agents or organophosphate pesticide poisoning and explore its potential for traumatic brain injury caused by concussive or explosive forces and viral infections.

Nerve agents are chemicals that affect the nervous system. Nerve agents are highly toxic regardless of the route of exposure. The main chemical nerve agents that are man-made and manufactured for use in chemical warfare are sarin, soman, tabun and VX. These nerve agents are known to be present in military stockpiles. Exposure to nerve agents can occur due to chemical warfare or accidental release from a military storage facility. Exposure to nerve agents can cause tightness of the chest, excessive salivation, abdominal cramps, diarrhea, blurred vision, tremors, and death.

Recent studies have shown that antioxidant compounds such as n-acetylcysteine ("NAC") could be beneficial in limiting seizure activity and improving the anticonvulsant efficacy of GABA-mediating drugs such as diazepam.

Bucillamine is a significantly more effective antioxidant than NAC and has the potential to provide increased efficacy against seizure activity while limiting the anticoagulant and bleeding event liability observed with NAC. The overall objective of the research project is to investigate pharmacological means for neuroprotection of GABA(A) receptors, which are required for the effectiveness of currently fielded anticonvulsant therapies. Bucillamine and NAC will be evaluated to determine the effect on GABA(A) receptor endocytosis and the effect on diazepam effectiveness in terminating seizures. Any additional antioxidant effects on seizure activity and survival will also be assessed.

### About Revive Therapeutics Ltd.

Revive Therapeutics is a life sciences company focused on the research and development of therapeutics and diagnostics for infectious diseases, medical countermeasures, and rare disorders. Revive prioritizes its drug development efforts to take advantage of several regulatory incentives awarded by the FDA, such as Emergency Use Authorization, Orphan Drug, Fast Track, and Breakthrough Therapy designations. Currently, the Company is exploring the use of Bucillamine for the potential treatment of nerve agent exposure and long COVID. Revive is also advancing the development of Psilocybin-based therapeutics through various programs. For more information, visit [www.ReviveThera.com](http://www.ReviveThera.com).

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