

MEETING ABSTRACTS

SMART & INNOVATIVE TOOLS FOR CHOLINESTERASES RELATED APPLICATIONS

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CHEMFORASE¹ is a french innovative biotechnological start-up, built in 2016, and specialized in the manufacturing and marketing of affinity resins for purification of cholinesterases. The lead product, Hupresin[®], makes it possible to purify efficiently both plasmatic and recombinant human butyrylcholinesterase (BChE). This innovative Hupresin[®] technology has perfect characteristics to specifically bind cholinesterases, providing the best performances on the market. CHEMFORASE also developed a fast flow affinity resin, Hupresin[®] AC, efficient for the purification of plasmatic BChE. A new affinity resin with better capacity is under development. These new chromatographic supports should facilitate the large-scale production of BChE and reduce the costs associated for the production of BChE-based drugs such as nerve agents bioscavengers.

Hupresin[®] Magnet is the magnetic version of Hupresin[®] that is compatible with the efficient extraction of BChE from small samples. This technology might facilitate the development of diagnosis tool useful for proving exposure to nerve agents and for identifying the type of poison involved.

Based on its know-how, CHEMFORASE offers his knowledge for your research. The company has expertise in organic chemistry synthesis and has laboratory equipment to manage gram scale synthesis: organophosphorus nerve agents simulants, organic fluorophores, fluorescent probes, heterocyclic molecules.

As part of its research and development program, CHEMFORASE is continuously seeking for new academic and industrial collaborations in order to develop innovative tools for cholinesterases applications.

Keywords: butyrylcholinesterase; Hupresin[®]; affinity resins

References

1. www.chemforase.com