

Acetylcholinesterase reactivators based on oxime-functionalized biodegradable ionic liquids

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Degradation of organophosphate pesticides using pyridinium based functional surfactants

Sharma, Rahul; Gupta, Bhanushree; **Karpichev, Yevgen; Gathergood, Nicholas** ACS sustainable chemistry & engineering 2016 / p. 6962-6973 : ill <https://doi.org/10.1021/acssuschemeng.6b01878> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

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An example of green surfactant systems based on inherently biodegradable IL-derived amphiphilic oximes

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Nanodiamond mediated delivery of pyridinium oxime antidotes to central nervous system for potential treatment of exposure to nerve agents

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Physicochemical properties and esterolytic reactivity of oxime functionalized surfactants in pH-responsive mixed micellar system

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Sustainable ionic liquids-based molecular platforms for designing acetylcholinesterase reactivators

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