

SPECIALTY DETERGENTS



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anatrace



Working on membrane proteins requires specialty detergents and Anatrace® understands the needs of our customers. We are the only company which delivers on purity, consistency, and selection.

Anatrace offers several major advantages. We offer products which are chosen for their uniquely pure molecules—and the exacting chemistry behind them. We present the broadest portfolio available. Detergent/membrane protein work requires a high degree of trial and error, pure products with little batch-to-batch variation, along with a large selection of products. Anatrace makes finding the best detergent easier. We offer new classes of innovative detergents which can help take your work to new elevations and improve your results.

From our line of specialty detergents, Amphipol A8-35 is a detergent-free solution for stabilizing membrane proteins in aqueous solutions. The molecule is well characterized and capable of stabilizing membrane proteins in their native structure and preserving functionality. The molecule is quickly becoming a favorite for Single Particle Cryo-EM work as well.

Anatrace also offers deuterated, fluorinated and selenated detergents. For applications such as NMR, we used popular detergents and replaced hydrogen atoms with deuterium. Deuterium reduces the signal, making the deuterated-version detergent NMR-silent.

Among the detergents growing in popularity are our alkyl PEG products and GDN. Our alkyl PEG detergent line is made up of lipophilic chains between 8 and 12 carbons long. In any screening library, alkyl PEG products should be used in conjunction with OG, DM, and DDM. GDN, on the other hand, is quietly becoming a substitute for digitonin. The molecule is non-toxic and more cost efficient.

Anatrace takes pride in helping scientists unravel once unsolvable challenges by providing custom synthesis services and expert analytical work to aid your research and development team. Contact our chemists to help you develop specialized solutions tailored to meet your unique specifications.

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