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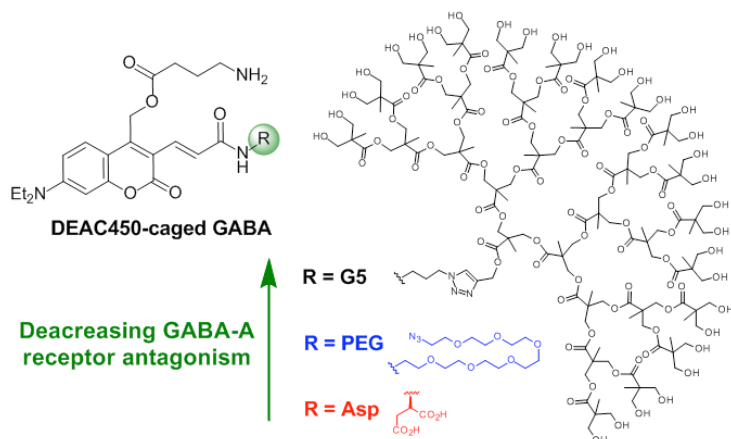
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Chemical Neuroscience | Hot Paper

Cloaked Caged Compounds: Chemical Probes for Two-Photon Optoneurobiology (pages 193–197)

Dr. Matthew T. Richers, Dr. Joseph M. Amatrudo, Dr. Jeremy P. Olson and Prof. Graham C. R. Ellis-Davies

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Caged neurotransmitters are known to be antagonistic toward the GABA-A receptor. Conjugation of a polyester dendrimer "cloak" to the caged compound DEAC450-GABA significantly decreased its GABA-A receptor antagonism. The chemical probe was inert at the concentrations required for effective two-photon photolysis on living cells.