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Unexpected reactivity of the 2'-carboxyl functionality in rhodamine dyes

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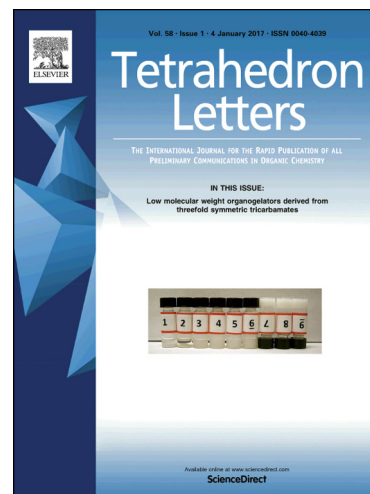
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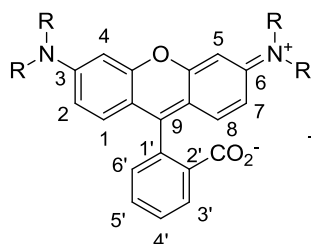
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pentafluorophenyl
trifluoroacetate
DMF, Pyridine

Pentafluorophenyl esters 2'-carboxyrhodamine dyes are prepared under mild conditions producing single isomer reactive esters, allowing introduction of linkers suitable for bioconjugation.

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