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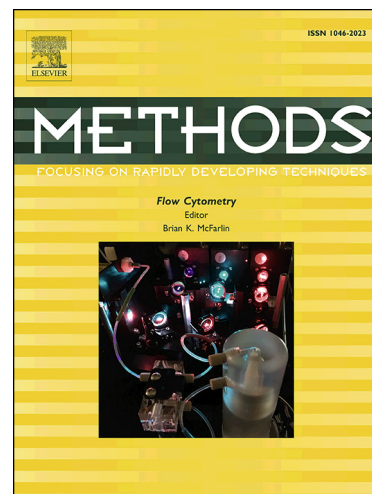
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Affinity-Based Separation Methods for the Study of Biological Interactions: the case of Peroxisome Proliferator-Activated Receptors in drug discovery

Review article

Caterina Temporini^a, Gloria Brusotti^a, Giorgio Pochetti^b, Gabriella Massolini^a, Enrica Calleri^{a*}

^a Dipartimento di Scienze del Farmaco, Università degli Studi di Pavia, Via Taramelli 12, 27100, Pavia, Italy.

^b Istituto di Cristallografia, Consiglio Nazionale delle Ricerche, Via Salaria Km. 29.300, 00015, Monterotondo Stazione, Roma, Italy.

*Corresponding Author

Email address enrica.calleri@unipv.it

Abstract

Affinity-based methods using immobilized proteins are important approaches for understanding the interactions between small molecules and biological targets. This review is intended to provide an overview of different affinity based separation methods that have been applied to the study of peroxisome proliferator activated receptors (PPARs). The screening of compound to increase screening rates for synthetic and natural ligands of PPAR are reported. Pros and cons of the approaches in ligand discovery initiatives. are discussed.

Keywords:

Drug-target interactions; Affinity chromatography; Peroxisome proliferator activated receptors; Receptor sub-types selectivity; Stereoselective interactions.

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