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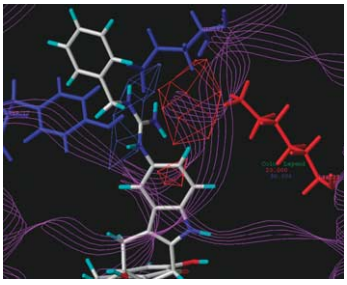
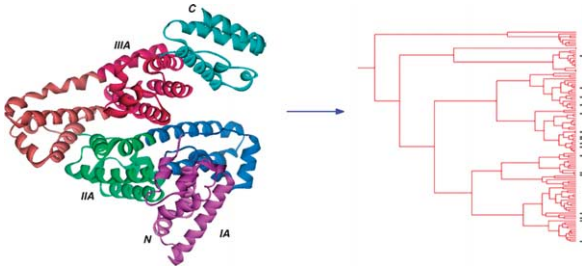
Contents

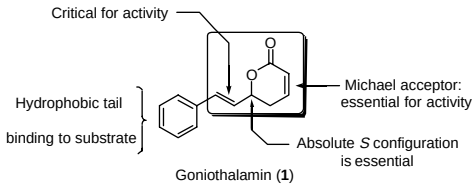
ARTICLES

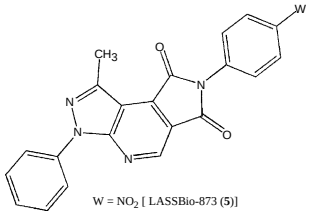


Molecular modeling and 3D-QSAR studies were performed on 31 indolomorphinan derivatives to evaluate their antagonistic behaviors on κ opioid receptor and provide information for further modification of this kind of compounds.

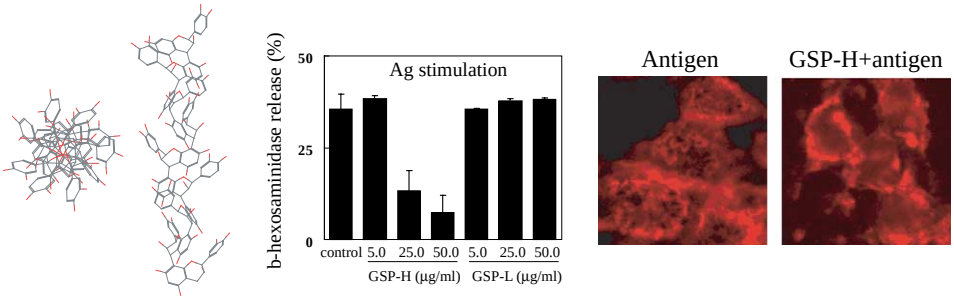


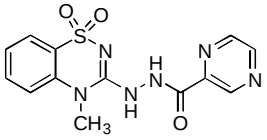
Cluster analysis and 4D-MS were used to explore the human serum albumin (HSA) binding affinity prediction.

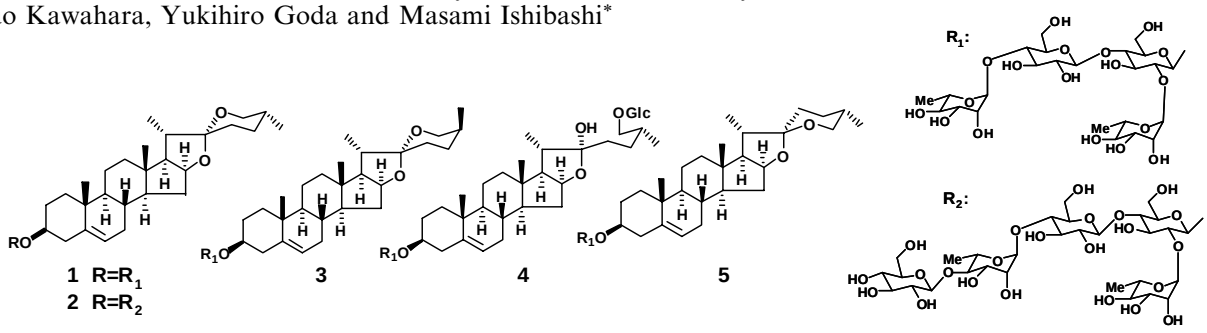




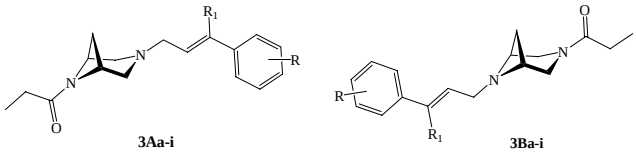
The new powerful central-acting heterotricyclic analgesic agent LASSBio-873 (**5**) is reported.

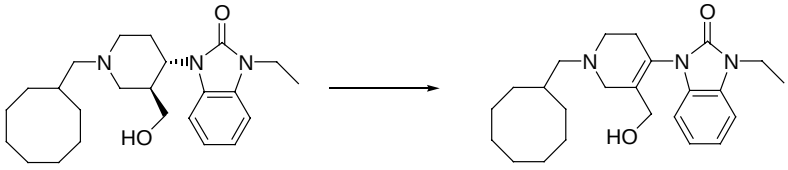




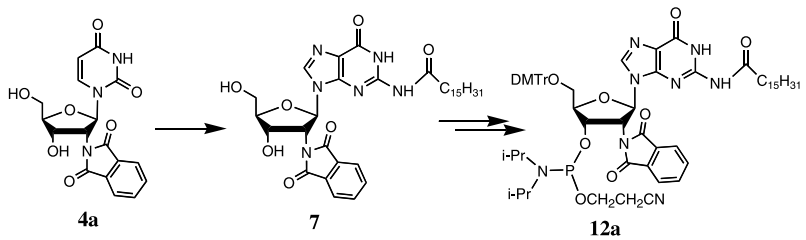


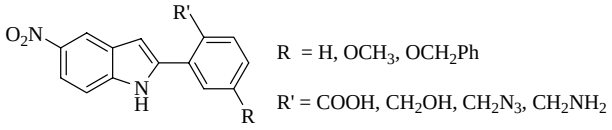
Models of monoamine transporters have been constructed, and *S*-citalopram, cocaine, and *S*-amphetamine have been docked into their putative binding sites using molecular modeling techniques.

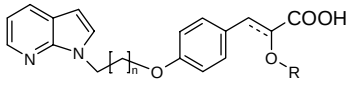




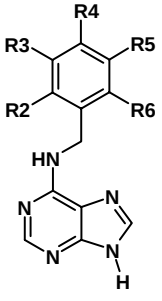
The compound coded as Trap-101 is an achiral analogue of the nociceptin/orphanin FQ receptor antagonist J-113397 that combines a pharmacological profile similar to that of the parent compound with a practical, high-yielding preparation.







A series of azaindole-α-alkyloxyphenylpropionic acid analogues was synthesized and evaluated for PPAR agonist activities. Structure–activity relationship was developed for PPARα/γ dual agonism. One of the synthesized compounds **7a** was identified as a potent, selective PPARα/γ dual agonist.



*Corresponding author
ⓘ+ Supplementary data available via ScienceDirect

COVER

2006: The cover figure shows a synthetic multifunctional pore that is composed of rigid-rod staves (para-octiphenyls, tan) and beta-sheet hoops (arrows) and can be activated with external ligands (fullerenes, golden spheres) and closed with internal blockers (alpha-helix, red ribbon) [Gorteau, V.; Bollot, G.; Mareda, J.; Pasini, D.; Tran, D.-H.; Lazar, A. N.; Coleman, A. W.; Sakai, N.; Matile, S. *Bioorg. Med. Chem.* **2005**, *13*, 5171–5180].

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