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with the pyrrolyl group unlikely to undergo a change in protonation state the fortitude of a receptor can confidently be assumed over a broad ph range when a wide receptor application space is demanded on account of their similarities with pyrrole indolocarbazole based receptors will also be included and discussed in this section abstract the π and σ basicity of the pyrrolyl ligand affords several coordination modes a sterically encumbering coordination sphere around metal centers may foster new coordination modes for the pyrrolyl ligand here we present three dinuclear rare earth complexes cp 2 re μ pyr 2 re y 1 la 2 dy 3 cp journal of molecular structure volume 1248 15 january 2022 131475 syntheses and structures of bimetallic rare earth complexes supported by pyrrolyl ligands and their high performance in isoprene polymerization fen hua wang shu qin she yang tao xiang rui wang cheng hao chu hui zhou qing hai li show more add to mendeley the presence of the pyrrolyl unit imparts unique structural and reactivity features to the pincer framework resulting in novel compounds and new types of chemistry at both the metal center and the ligand periphery this review will cover aspects of pincer ligands containing pyrrolyl units and their associated metal complexes the synthesized pyrroles have been studied for 1 their in vitro inhibition of lipoxygenase 2 their in vitro inhibition of cox 3 their in vitro inhibition of lipid peroxidation 4 their interaction with the stable n centered free radical 2 2 diphenyl 1 picrylhydrazyl dpph 5 their inhibition on interleukin 6 il 6 6 their an pyrrolyl complexes of the early transition metals 1 synthesis and crystal structure of eta 5 c5h5 2ti eta 1 nc4h4 2 eta 5 c5h5 2zr eta 1 nc4h4 2 and na thf 6 2 zr eta 1 nc4h4 6 inorganic chemistry advertisement isothioureia catalyzed enantioselective functionalization of pyrrolyl and indolylacetic acids accesses stereodefined dihydropyridinones in up to excellent 26 97 yield excellent dr 95 5 and up to excellent er 75 25 99 1 pyrrole or indole elimination gives selective access to pyridinones synthesis and structures of zirconium pyrrolyl complexes computational analysis of the factors that influence the coordination modes of pyrrolyl ligands joseph m tanski and gerard parkin the comparison of the data for the pyrrolyl derivatives 2 5 scheme 1 throws light on the effect of the substituent in the phenyl ring forming nh o or oh o intramolecular hydrogen bonds with the five membered ring carbonyl oxygen on the donor acceptor ability of the e and z isomers 1 pyrrolyl group chebi 51651 is a pyrrolyl group chebi 51647 iupac name 1 h pyrrol 1 yl first it is known that pyrrolyl or indolyl type ligands can undergo hapticity changes and while the phenomenon for the titanium system has been studied previously 20 the new model provides pyrrolyl plural pyrrolys organic chemistry especially in combination a radical derived from pyrrole categories english terms suffixed with yl english lemmas protonation of the heterocyclic cp anion equivalent pyrrolyl b c6f5 3 li formation of a useful neutral brønsted acid for the generation of homogeneous metallocene ziegler catalysts kehr 2001 european journal of inorganic chemistry wiley online library european journal of inorganic chemistry full paper optimization studies of a representative indolization system reaction conditions n pyrrolyl 2 haloaniline 0 05 mmol diphenylacetylene 0 10 mmol pd catalyst 6 to 10 mol chiral ligand 1 pd ratio 2 5 1 base 2 0 equiv additive 100 mol 1 4 dioxane 1 0 ml under n 2 at 100 c for 10 hours of the pyrrolyl arnbident anion while almost total c alkylation could be obtained isolation of a single alkylation product was not feasible however n alkylation of pyrrole and several 2 substituted pyrroles was readily achieved by phase transfer catalysis with primary alkyl halides nam Chiang wang kang er teo et hugh j anderson can the first steps in the biosynthesis of mbc have been shown biochemically to involve the incorporation of l proline to form the pyrrole ring through a pyrrolyl 2 carboxyl s pcp indoles solvents abstract an efficient synthesis of tetrahydrocarboline type products and polycyclic spiroindolines has been achieved the transformation proceeds via rhodium ii catalyzed intramolecular annulations of indolyl and pyrrolyl tethered n sulfonyl 1 2 3 triazoles william l roberts b tiziano faravelli c heinz pitsch a show more add to mendeley share doi org 10 1016 j proci 2022 07 019 get rights and content abstract pyrrole the smallest molecule with a nitrogen atom in the heterocycle ring is an important tar component from coal and nitrogen rich biomass devolatilization quantity value units method reference comment Δ f h gas 143 2 kJ mol n a

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