

Directional Approach to Enantiomerically Enriched Functionalized [7]Oxa-helicenoids and Groove-Based Selective Cyanide Sensing

Khose, Vaibhav N.; Hasan, Mohammed; Khot, Sushil C.; Mobin, Shaikh M.; **Borovkov, Victor**; Karnik, Anil V. Journal of organic chemistry 2019 / p. 1847–1860 : ill <https://doi.org/10.1021/acs.joc.9b02100>

Ethane-bridged bisporphyrin conformational changes as an effective analytical tool for nonenzymatic detection of urea in the physiological range

Buccolieri, Alessandro; **Hasan, Mohammed**; Bettini, Simona; **Borovkov, Victor** Analytical chemistry 2018 / p. 6952-6958 : ill <https://doi.org/10.1021/acs.analchem.8b01230> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Helicene-Based Chiral Auxiliaries and Chirogenesis

Hasan, Mohammed; **Borovkov, Victor** Chiral Auxiliaries and Chirogenesis 2021 / p. 103-150 <https://doi.org/10.3390/books978-3-0365-1017-0> <https://doi.org/10.3390/sym10010010>

Helicene-based chiral auxiliaries and chirogenesis

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Highly sensitive conformational switching of ethane-bridged mono-zinc bis-porphyrin as an application tool for rapid monitoring of aqueous ammonia and acetone

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An insight on type I collagen from horse tendon for the manufacture of implantable devices

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Size-induced chiral discrimination switching by (S)-(-)-2(a-hydroxyethyl)benzimidazole-derived azacrowns

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Sterically congested chiral 7,8-dioxa[6]helicene and its dihydro analogues : synthesis, regioselective functionalization, and unexpected domino Prins reaction

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Supramolecular chirogenesis in zinc porphyrins: complexation with enantiopure thiourea derivatives, binding studies and chirality transfer mechanism

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Tailor-made supramolecular chirogenic system based on Cs-symmetric rigid organophosphoric acid host and amino alcohols : mechanistic studies, bulkiness effect, and chirality sensing

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