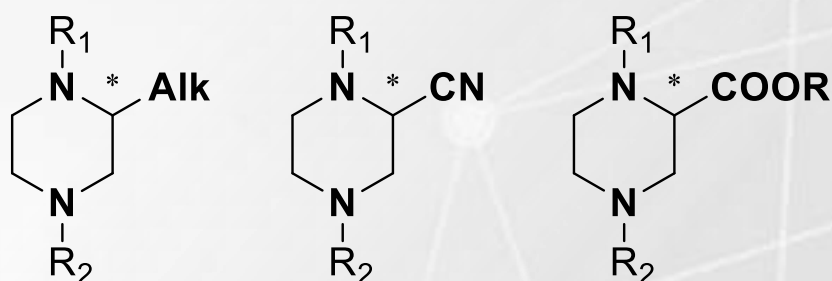




LIVERPOOL CHIROCHEM

Molecules of the Month 2-substituted piperazines

Piperazines represent an important structural motifs in pharmacologically active compounds. The α -substituted piperazine scaffold is considered to be a privileged structure in drug discovery and it appears on several marketed drugs and natural products. It is widely recognized that the presence of a substituent on the C-2 position has a significant influence on the biological activity, influencing pK_a and lipophilicity among others properties (*Bioorg. Med. Chem. Lett.*, 2010, **20**, 3941).



Alk=Me, Et, *n*-Pr, *i*-Pr, *n*-Bu

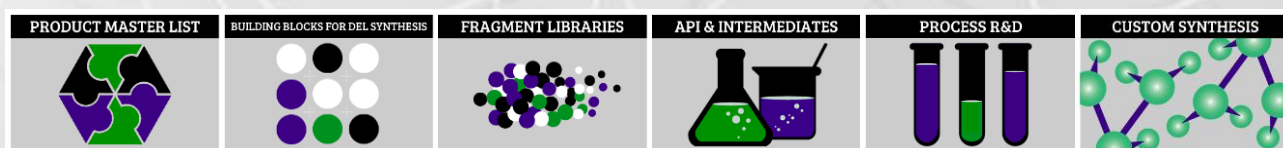
R=OH, OMe

R₁=H; R₂=Bn, Boc, Fmoc

R₁=Bn, Boc, Fmoc; R₂=H

Liverpool ChiroChem has developed a robust and efficient method for the synthesis of a wide variety of C-2 substituted piperazines. The compounds have high enantiomeric purity and can be used as multi-functionalised building blocks or fragments. The nitrogens are orthogonally protected to allow selective functionalisation. These compounds are available from our stock list.

Should you require any further information regarding the new Product Master List do not hesitate to get in touch with us. Alternatively, if you would like to explore our complete range of products and services, please use the enquiry button at the top of our webpage to get in touch.



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