

MUSCARINIC RECEPTOR ANTAGONISTS

ABSTRACT OF THE DISCLOSURE

Disclosed are multibinding compounds which are muscarinic receptor antagonists. The multibinding compounds of this invention containing from 2 to 10 ligands covalently attached to one or more linkers. Each ligand is, independently of
5 . each other, a muscarinic receptor antagonist or an allosteric modulator provided that at least one of said ligand is a muscarinic receptor antagonist. The multibinding compounds of this invention are useful in the treatment and prevention of diseases such as chronic obstructive pulmonary disease, chronic bronchitis, irritable bowel syndrome, urinary incontinence, and the like.

Figure 1