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**Molecular recognition of aromatic
amines by coumarin substituted
azacrown ether**

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Abstract: New chromogenic azacrown ether N[7-hydroxy-4-methyl-coumarin-8-methylene]-4-azadibenzo-18-crownether (HMCMDCE) was synthesised through the condensation reaction of 4-azadibenzo-18-crown-6ether, 4-methyl,7-hydroxy coumarin and formaldehyde was used to investigate its behaviour towards the aromatic amines. All the aromatic primary amines gave specific colours in aqueous medium. The functional group recognition behaviour is further extended to study the estimation of the aromatic primary amine in commercial drug samples. The amines can be estimated in the presence of several functional groups