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(71) Applicant (for all designated States except US):
PROMETIC BIOSCIENCES LTD [GB/GB]; Freeport,
Ballasalla, British Isles, IM9 2AP (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BETLEY, Jason Richard** [GB/GB]; 17 Church Street, Buntingford, Hertfordshire, SG9 9AA (GB). **TATTON, Helen** [GB/GB]; 41 Parish Close, Ash, Aldershot, Hampshire, GU12 6NU (GB). **LE RICHE, Kelly** [GB/GB]; 20 Burnham Heights, Off Goldworthy Way, Cippenham, Slough, Berkshire SL1 6JF (GB). **WEBB, Matthew** [GB/GB]; 50 Hardwick Lane, Bury St Edmunds, Suffolk, IP33 2RB (GB).

(74) Agent: **PERRY, Robert Edward**; London, Greater London, EC2M 7LH (GB).

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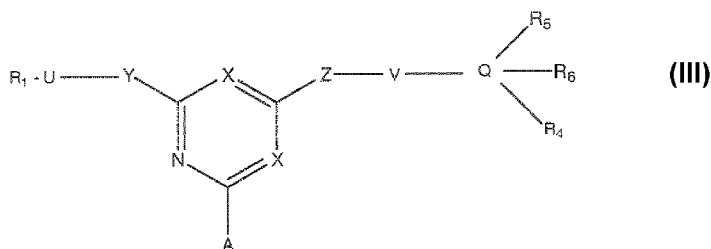
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(54) Title: ADSORBENTS FOR PROTEIN PURIFICATION



(57) Abstract: Use of an affinity adsorbent for the separation, removal, isolation, purification, characterisation, identification or quantification of a proteinaceous material, wherein the affinity adsorbent is a compound of formula (III). wherein R_1 is H, alkyl, aryl, hydroxyalkyl, cyclohexyl, amino or a heterocyclic group which is optionally substituted with one or more of alkyl, aryl, alkoxy, aryloxy, acyloxy, acylamino, amino, OH, CO_2H , sulphonyl, carbamoyl, sulphonamoyl, alkylsulphonyl and halogen; one X is N and the other is N, C-Cl or C-CN; Y is O, S or NR_2 ; Z is O, S or NR_3 ; R_2 and R_3 are each H, alkyl, hydroxyalkyl, benzyl or β -phenylethyl; Q is benzene, naphthalene, benzthiazole, benzoxazole, 1-phenylpyrazole, indazole or benzimidazole; R_4 , R_5 and R_6 are each H, OH, alkyl, aryl, heterocyclic, alkoxy, aryloxy, amino, acyloxy, acylamino, CO_2H , sulphonic acid, carbamoyl, sulphonamoyl, alkylsulphonyl or halogen, or two or more of R_4 , R_5 and R_6 are linked to form a cyclic structure; U and V are the same or different C_{1-10} straight-chain alkylene groups optionally substituted by one or more of hydroxyl, alkyl, aryl, hydroxyl, alkyl, β -phenylethyl and halogen; and A is a support matrix optionally linked to the X-containing ring by a spacer.