

Title (en)

AMINO ACID, ESTER AND/OR CATECHOL CONTRAST AGENTS FOR MRI.

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Application

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Priority

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Abstract (en)

[origin: WO9303351A1] The present invention relates to the preparation of amino acid containing compounds which also have multiple carboxylic acid functional groups. Paramagnetic metal (II) or (III) ion chelate complexes are formed using these compounds for use as intravenous contrast agents to produce enhanced contrast magnetic resonance images of the heart, liver, biliary tree or upper small intestine. The mono and di-amino acids (and their carboxylic esters carboxylic amides, and catechols) of EDTA, DTPA, and the like are prepared. The paramagnetic metal (II) or (III) ion complexes are formed and produce T1-related contrast effects in MR images. The compounds and complexes also appear to have low toxicities and to be relatively rapidly and completely cleared from the tissue of a living mammal, e.g. a human being.

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Citation (search report)

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- See references of WO 9303351A1

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