

A Macromolecular Carrier for Medical Imaging and Diagnostics

Tech ID: 19792 / UC Case 1998-088-0

TECHNOLOGY DESCRIPTION

A UCSD researcher has developed a new macromolecular carrier having hundreds of leashes for readily attaching imaging agents and substrates. The attached substrate directs the carrier to specific tissues so that the attached imaging agent can affect its function in a tissue specific manner. When suitably derivatized, the carrier can be used in a tissue-specific manner for magnetic resonance imaging, computer tomographic imaging or scintigraphic imaging. This technology has been shown to exhibit excellent tissue-specific delivery of payload as demonstrated in animals and humans, is inexpensive to manufacture, and is non-toxic to humans. It has also been shown in animal tests to be a CT blood pool contrast agent with long intra-vascular dwell time.

The patent - [US 6,409,990](#) - is available for licensing for use in certain tissue types and imaging methods.

PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	6,409,990	06/25/2002	1998-088

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OTHER INFORMATION

KEYWORDS

radiology, medical imaging

CATEGORIZED AS

- **Medical**
 - Delivery Systems
 - Devices
 - Imaging

RELATED CASES

1998-088-0