

OC(=O)CN1CCN(CC1)CC(=O)OOC(=O)CN1CCN(CC(=O)O)CCN1CC(=O)O

The chemical structure shows a macrocyclic ligand consisting of a 12-membered ring with four nitrogen atoms at the 1, 4, 7, and 10 positions. Each nitrogen atom is substituted with a 2-carboxymethyl group, represented as CH_2COOH . The four carboxylic acid groups are positioned at the top, bottom, left, and right of the macrocycle, pointing outwards.

Figure 3

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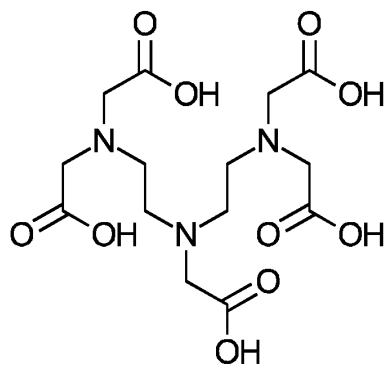


Figure 4

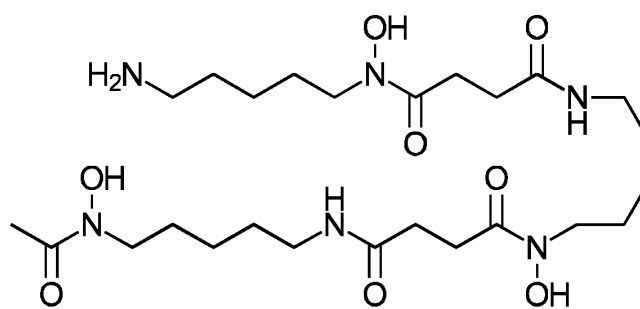


Figure 5

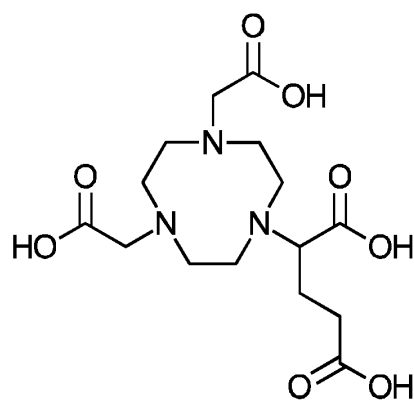


Figure 6

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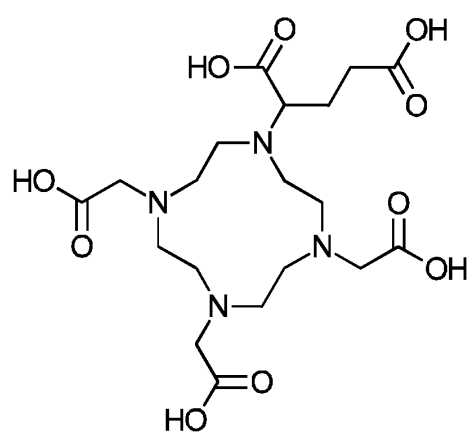


Figure 7

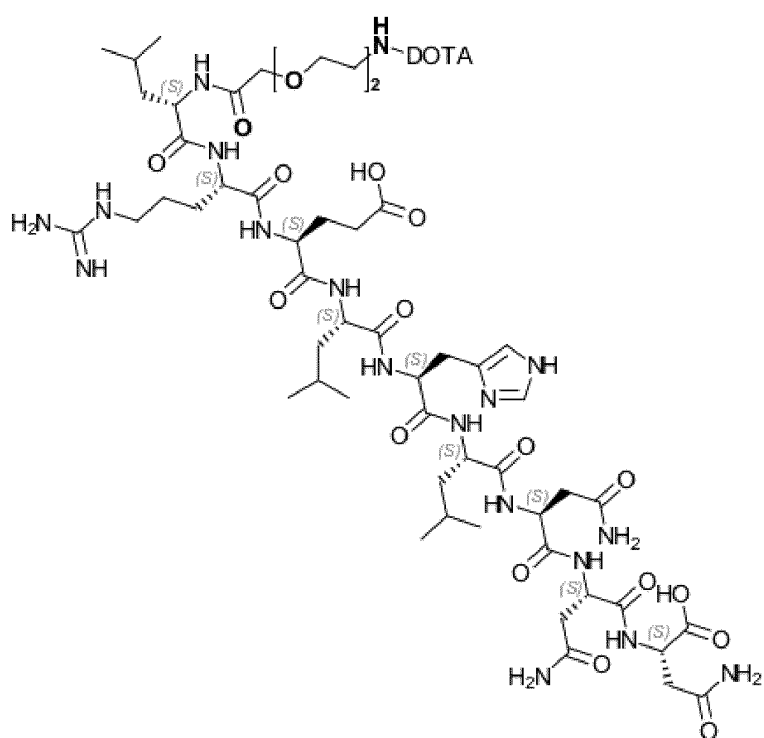


Figure 8

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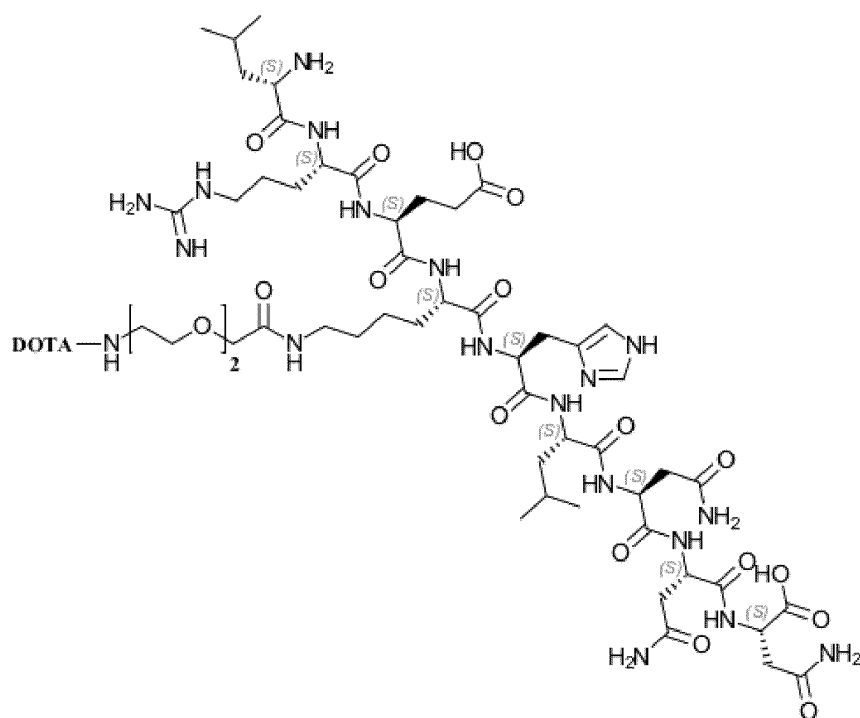


Figure 9

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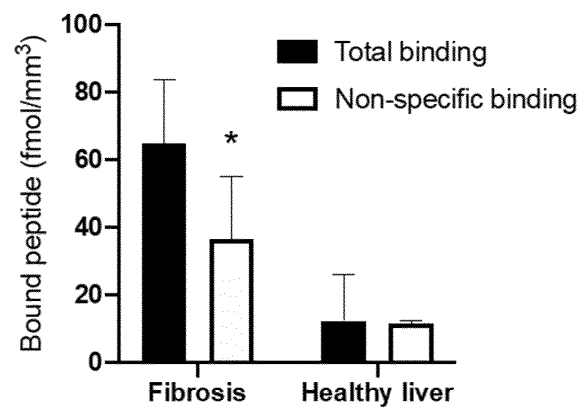


Figure 10a

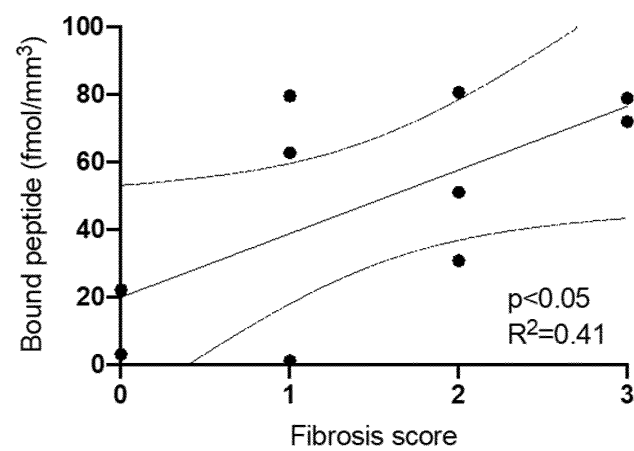


Figure 10b

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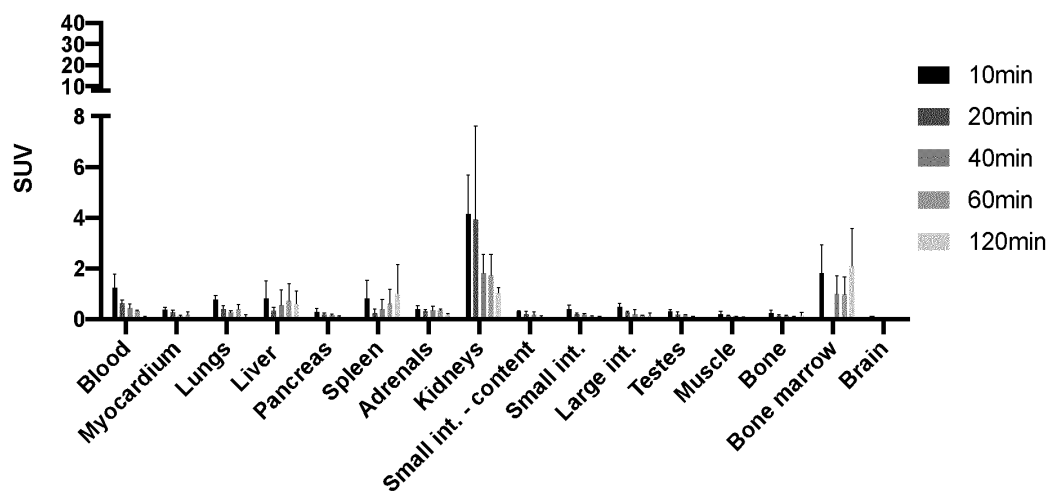


Figure 11