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**THIS ISSUE'S COVER**

The image depicts the particular amino acid side-chains that cover a suggested T3 binding-site inside the MCT8 substrate transport-channel. These side-chains with specific biophysical properties determine the mode and characteristics of binding.

Credit: J. Fischer, G. Kleinau, A. Müller, P. Kühnen, A. Grüters, H. Krude, H. Biebdermann, Institute of Experimental Pediatric Endocrinology, Charité-Universitätsmedizin, Germany.
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