

Abstract

The invention relates to the means for magnetic resonance imaging of oncological diseases and other diseases, accompanied by a locally altered level of absorption of nutrients by cells. The invention is the diagnostic drug containing at least one deuterated derivative of a natural branched-chain amino acid, as well as the diagnostic method based on the use of this diagnostic drug. The method of the invention includes performing magnetic resonance imaging and / or deuterium magnetic resonance spectroscopy after administration of the diagnostic drug in a time sufficient for the accumulation of the diagnostic drug in a target area of a subject's body. The proposed method allows to carry out a highly informative diagnostics of oncological diseases and other diseases, accompanied by a locally altered level of absorption of nutrients by cells.

(No Suitable Figure)