

Title (en)

GADOBUTROL PREPARATION IN A ONE-POT PROCESS BY MEANS OF DMF ACETAL AND N-METHYLIMIDAZOLE

Title (de)

GADOBUTROLHERSTELLUNG IM EINTOPFVERFAHREN MITTELS DMF-ACETAL UND N-METHYLIMIDAZOL

Title (fr)

PRODUCTION DE GADOBUTROL DANS UN PROCÉDÉ À UN SEUL RÉACTEUR PAR L'INTERMÉDIAIRE DE DMF ACÉTAL ET DE N-MÉTHYLIMIDAZOL

Publication

**EP 2576521 A1 20130410 (DE)**

Application

**EP 11724601 A 20110531**

Priority

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Abstract (en)

[origin: CA2801255A1] A process is described for preparation of the gadolinium complex of N-(1-hydroxymethyl-2,3-dihydroxypropyl)-1,4,7-triscarboxymethyl- 1,4,7,10-tetraazacyclododecane "gadobutrol = Gadovist®" in a one-pot process by means of DMF acetal and N-methylimidazole. Gadovist is a gadolinium-containing contrast agent for nuclear spin tomography and has been approved since 2000 in Germany in the indication "contrast amplification in cranial and spinal magnetic resonance tomography".

IPC 8 full level

**C07D 257/02** (2006.01)

CPC (source: EP KR US)

**C01F 17/00** (2013.01 - KR); **C07D 257/02** (2013.01 - EP KR US); **C07F 5/00** (2013.01 - US)

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