

ABSTRACT**PREPARATION OF HIGH-PURITY GADOBUTROL**

What is described is a process for producing high-purity gadobutrol in a purity (according to HPLC) of more than 99.7 or 99.8 or 99.9% and the use for preparing a pharmaceutical formulation for parenteral administration. The process is carried out using specifically controlled crystallization conditions. The more recent developments in the field of the gadolinium-containing MR contrast agents (EP 0448191 B1, CA Patent 1341176, EP 0643705 B1, EP 0986548 B1, EP 0596586 B1) include the MRT contrast agent gadobutrol (Gadovist® 1.0) which has been approved for a relatively long time in Europe and more recently also in the USA under the name Gadavist®.

Figure: None