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(54) Title: PROCESS FOR THE PREPARATION OF CALCOBUTROL

(57) Abstract: The invention concerns a process for the preparation of the calcium complex of 0-(2,3-Dihydroxy-1-(hydroxymethyl)propyl)-1,4,7,10-tetraazacyclodecane-,4,7-triacetic acid, also known as Calcobutrol, starting from the pure gadolinium complex (Gadobutrol). The invention furthermore concerns Calcobutrol with a hitherto unknown level of purity.