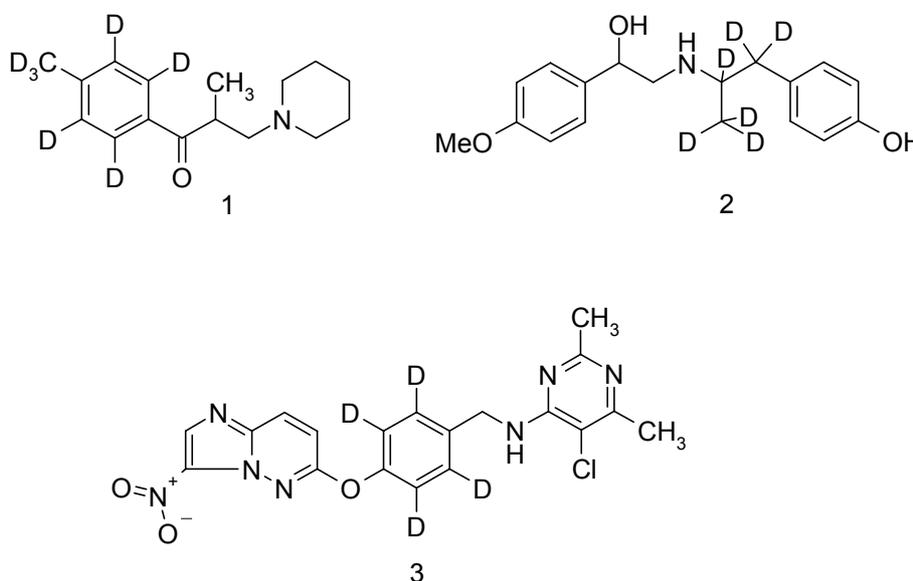


SYNTHESIS OF DEUTERATED ANALOGS OF PHARMACEUTICALS

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We will report the synthesis of deuterated analogs of tolperison d₇ (1), formoterol d₆ (2) and BYK 170424 d₄ (3). These compounds were synthesized both for further pharmacological studies with potentially improved pharmacokinetic as well as pharmacodynamic properties in comparison to the non-deuterated compounds [1] as well as standards suitable for LC/MS/MS determination in biological samples.



[1] Alken R.G., Stabingis T, WO 02088100 (2002)