Figure 21: Synthesis of 2-methyl-1-[4-(2-methyl- $1\lambda^4$ - amino-1-yl)but-2-yn-1-yl]-2,3-dihydro-1H-indole AZ2-AZ7.

$$CH_3$$
 $CH_3$ 
 $CH_3$ 

AZ-2: 1-[4-(2,6-dimethylpiperidin-1-yl)but-2-yn-1-yl]-2-methyl-2,3-dihydro-1H-indole.

$$CH_3$$
 $N$ 
 $CH_3$ 
 $N$ 
 $CH_3$ 

AZ-3: 2-methyl-1-[4-(4-methylpiperazin-1-yl)but-2-yn-1-yl]-2,3-dihydro-1H-indole.

$$CH_3$$

AZ-4: 2-methyl-1- [4- (2-methylpiperidin-1-yl) but-2-yn-1-yl] -2,3-dihydro-1H-indole.