

Title (en)  
FLUORINATED PHNO AND ANALOGS THEREOF

Title (de)  
FLUORIERTE PHNO UND ANALOGA DAVON

Title (fr)  
PHNO FLUORÉE ET ANALOGUES DE LADITE SUBSTANCE

Publication  
**EP 1853572 A4 20091111 (EN)**

Application  
**EP 06705147 A 20060210**

Priority  
• CA 2006000191 W 20060210  
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Abstract (en)  
[origin: WO2006084368A1] This application describes fluormated (+)PHNO and analogs thereof, including radiolabeled analogs, of Formula (I), wherein R<SUP>1</SUP> is C<SUB>1-6</SUB> alkyl in which one hydrogen atom on the alkyl chain is replaced with fluoro or radioactive fluoro. The application further describes compositions comprising these compounds and methods of using these compounds. The compounds of formula (I), have good affinity and selectivity for the dopamine D2 receptors and are therefore useful for the labelling of dopamine D2 receptors in vivo and for the identification and quantification of the extent of dopamine supersensitivity in the brain in various stages of a dopamine-related disease.

IPC 8 full level  
**C07D 265/36** (2006.01); **A61K 31/538** (2006.01); **A61K 51/04** (2006.01); **A61P 25/16** (2006.01)

CPC (source: EP)  
**A61P 25/16** (2017.12); **C07D 265/36** (2013.01)

Citation (search report)  
• [DY] EP 0080115 A2 19830601 - MERCK & CO INC [US]  
• [Y] SEEMAN P ET AL.: "DOPAMINE RECEPTORS LABELLED BY PHNO", SYNAPSE, vol. 14, 1993, pages 254 - 262, XP002540029  
• [Y] PATANI G A ET AL: "BIOISOSTERISM: A RATIONAL APPROACH IN DRUG DESIGN", CHEMICAL REVIEWS, ACS, WASHINGTON, DC, US, vol. 96, no. 8, 1 January 1996 (1996-01-01), pages 3147 - 3176, XP000652176, ISSN: 0009-2665  
• See references of WO 2006084368A1

Cited by  
CN116925337A

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