Product datasheet

PD 168077 maleate, D₄ agonist ab120568

Overview

Product name
PD 168077 maleate, D₄ agonist

Description
Potent, selective D₄ agonist

Biological description
Potent, selective D₄ dopamine receptor agonist. Displays >400-fold selectivity over D₂ and >300-fold selectivity over D₃ subtypes (Kᵢ values are 11.9, 2540, and 1050 nM for D₄, D₃, and D₂ receptors, respectively). Reverses object recognition deficits.

Purity
> 98%

General notes
This product appears to be unstable in ethanol solution

CAS Number
190383-31-4

Chemical structure

![Chemical structure image]

Chemical name
N-[4-(2-Cyanophenyl)-1-piperazinyl]methyl-3-methylbenzamide maleate

Molecular weight
450.49

Molecular formula
C₂₀H₂₂N₄O.C₄H₄O₄

Storage instructions
Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.

Solubility overview
Soluble in DMSO to 100 mM

Handling
Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

Source
Synthetic
Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team