**AM251 ab120088**

**Overview**

**Product name**  
AM251

**Description**  
CB₁ receptor antagonist / inverse agonist

**Biological description**  
Cannabinoid CB₁ receptor antagonist / inverse agonist (Kᵢ = 7.5 nM). Displays 306-fold selectivity over CB₂ receptors. Anorectic and antidepressant *in vivo*.

**Purity**  
> 99%

**Properties**

**Chemical name**  
1-(2,4-Dichlorophenyl)-5-(4-iodophenyl)-4-methyl-N-(piperidin-1-yl)-1H-pyrazole-3-carboxamide

**Molecular weight**  
555.24

**Chemical structure**

![Chemical structure of AM251](image)

**Molecular formula**  
C₂₂H₂₁Cl₂INO

**CAS Number**  
183232-66-8

**PubChem identifier**  
2125

**Storage instructions**  
Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.

**Solubility overview**  
Soluble in DMSO to 100 mM and in ethanol to 25 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.

**SMILES**  
O=C(NN1CCCCC1)c4nn(c2ccc(Cl)cc2Cl)c(c3ccc(I)cc3)c4C
Source: Synthetic

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

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