Overview

Product name
ZM 241385, A<sub>2A</sub> antagonist

Description
Potent, selective A<sub>2A</sub> antagonist

Biological description
Potent A<sub>2</sub> adenosine receptor antagonist, with approx 50-fold selectivity for A<sub>2A</sub> receptors. (K<sub>i</sub> values are <1 nM, 50 nM, 255 nM and >10 μM at human cloned A<sub>2A</sub>, A<sub>2B</sub>, A<sub>1</sub> and A<sub>3</sub> receptors, respectively). Orally active in vivo.

Purity
> 99%

CAS Number
139180-30-6

Chemical structure

Properties

Chemical name
4-(2-{7-Amino-2-(2-furyl)[1,2,4]triazolo[2,3-a][1,3,5]triazin-5-ylamino}ethyl)phenol

Molecular weight
337.34

Molecular formula
C<sub>16</sub>H<sub>15</sub>N<sub>7</sub>O<sub>2</sub>

PubChem identifier
176407

Storage instructions
Store at Room Temperature. The product can be stored for up to 12 months.

Solubility overview
Soluble in DMSO to 100 mM and in ethanol to 5 mM (with warming)

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
Oc1ccc(cc1)CCNc2nc(N)n3nc(nc3n2)c4ccco4

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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- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
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