PRODUCT INFORMATION

ZM 241385
Item No. 20447

CAS Registry No.: 139180-30-6
Formal Name: 4-[2-[[7-amino-2-(2-furanyl)[1,2,4]
tri azolo][1,5-a][1,3,5]triazin-5-yl]
amino]ethyl]-phenol
MF: C₁₆H₁₅N₇O₂
FW: 337.3
Purity: ≥98%
UV/Vis.: λₘₐₓ: 228, 256 nm
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥2 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

ZM 241385 is supplied as a crystalline solid. A stock solution may be made by dissolving the ZM 241385 in the solvent of choice. ZM 241385 is soluble in organic solvents such as ethanol and DMSO which should be purged with an inert gas. The solubility of ZM 241385 in these solvents is approximately 5 and 100 mM, respectively.

Description

ZM 241385 is a potent antagonist of A₂₅ adenosine receptors (pIC₅₀ = 9.52 for displacement of 5'-N-ethylcarboxamidoadenosine from rat phaeochromocytoma cell membranes). It displays little or no activity at other A adenosine receptors. ZM 241385 is active in vivo. It acts as an inverse agonist at constitutively active mutants of the human A₂B adenosine receptor.

References