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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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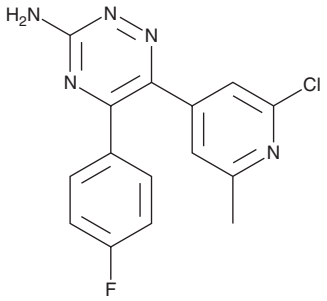
PRODUCT INFORMATION

AZD 4635

Item No. 26322

CAS Registry No.:	1321514-06-0
Formal Name:	6-(2-chloro-6-methyl-4-pyridinyl)-5-(4-fluorophenyl)-1,2,4-triazin-3-amine
Synonym:	HTL-1071
MF:	$C_{15}H_{11}ClFN_5$
FW:	315.7
Purity:	≥98%
UV/Vis.:	λ_{max}: 273, 304 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

AZD 4635 is supplied as a crystalline solid. A stock solution may be made by dissolving the AZD 4635 in the solvent of choice. AZD 4635 is soluble in organic solvents such as DMSO and dimethyl formamide, which should be purged with an inert gas. The solubility of AZD 4635 in these solvents is approximately 30 mg/ml.

AZD 4635 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, AZD 4635 should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. AZD 4635 has a solubility of approximately 0.25 mg/ml in a 1:3 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

AZD 4635 is an adenosine A_2 receptor antagonist (K_i = 1.7 nM for the human receptor).[1] It inhibits adenosine-induced cAMP production in CHO cells expressing the human A_2 receptor (IC_{50} = 0.79 µM) and reverses suppression of IFN-γ secretion induced by 5'-N-ethylcarboxamidoadenosine (NECA; Item No. 21420) in $CD8^+$ T cells. AZD 4635 reduces tumor growth when administered alone and in combination with checkpoint inhibitors in syngeneic mouse tumor models.

Reference

1. Borodovsky, A., Wang, Y., Ye, M., *et al*. Abstract 5580: Preclinical pharmacodynamics and antitumor activity of AZD4635, a novel adenosine 2A receptor inhibitor that reverses adenosine mediated T cell suppression. *Cancer Res.* **77(13 Supp.),** 5580 (2017).

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