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Produktinformation

- Forschungsprodukte & Biochemikalien
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- 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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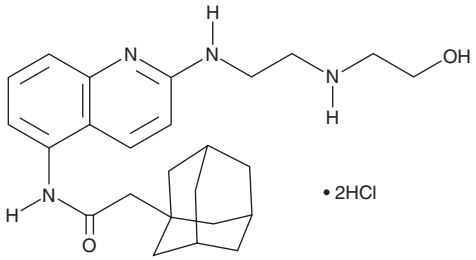
PRODUCT INFORMATION

AZ 10606120 (hydrochloride)

Item No. 35820

CAS Registry No.:	607378-18-7
Formal Name:	N-[2-[[2-[(2-hydroxyethyl)amino]ethyl]amino]-5-quinolinyl]-tricyclo[3.3.1.13,7]decane-1-acetamide, dihydrochloride
MF:	$C_{25}H_{34}N_4O_2 \bullet 2HCl$
FW:	495.5
Purity:	≥95%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



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

Laboratory Procedures

AZ 10606120 (hydrochloride) is supplied as a solid. A stock solution may be made by dissolving the AZ 10606120 (hydrochloride) in the solvent of choice, which should be purged with an inert gas. AZ 10606120 (hydrochloride) is soluble in DMSO. AZ 10606120 (hydrochloride) is also soluble in water. We do not recommend storing the aqueous solution for more than one day.

Description

AZ 10606120 is an antagonist of the purinergic $P2X_7$ receptor (IC_{50} = 10 nM).[1] It reduces cell migration and proliferation of PANC-1 pancreatic ductal adenocarcinoma cells when used at a concentration of 10 µM.[2] AZ 10606120 (0.01 µg/kg) reduces cecal slurry-induced impairment of endothelial-dependent relaxation but increases spleen bacterial burden in a mouse model of polymicrobial sepsis.[3]

References

1. Guile, S.D., Alcaraz, L., Birkinshaw, T.N., *et al.* Antagonists of the $P2X_7$ receptor. From lead identification to drug development. *J. Med. Chem.* **52(10)**, 3123-3141 (2009).
2. Giannuzzo, A., Pedersen, S.F., and Novak, I. The P2X7 receptor regulates cell survival, migration and invasion of pancreatic ductal adenocarcinoma cells. *Mol. Cancer* **14**, 203 (2015).
3. Meegan, J.E., Komalavilas, P., Cheung-Flynn, J., *et al.* Blocking P2X7 receptor with AZ 10606120 exacerbates vascular hyperpermeability and inflammation in murine polymicrobial sepsis. *Physiol. Rep.* **10(11)**, e15290 (2022).

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