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Product Datasheet

AZD7762, CAS [[860352-01-8]] FBM-10-4771

Article Name	AZD7762, CAS [[860352-01-8]]
Biozol Catalog Number	FBM-10-4771
Supplier Catalog Number	10-4771
Alternative Catalog Number	FBM-10-4771-5MG,FBM-10-4771-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Checkpoint kinase 1/2 inhibitor...
Molecular Weight	398.88
Purity	98% by HPLC NMR (Conforms)
Form	Yellow/brown solid
CAS Number	[860352-01-8]
Formula	C17H19FN4O2SHCl

Application Notes	AZD7762 (860352-01-8, free base) is a potent and selective inhibitor of checkpoint kinases 1 and 2 ($IC_{50} = 5 \text{ nM}$ for both).¹ It abrogates DNA damage-induced S and G2 checkpoints and enhances the efficacy of DNA damaging agents such as gemcitabine and irinotecan. AZD7762 also enhanced the radiation sensitivity of p53-mutant tumor cell lines.^{2,3} AZD7762 was able to overcome imatinib resistance in CML cells.⁴ AZD7762 has also been reported to be a potent inhibitor of MEKK2 (MAP3K2) - $IC_{50} = 20 \text{ nM}$.⁵ It has also recently been shown to inhibit antigen-stimulated degranulation from RBL-2H3 ($IC_{50} = 28 \text{ nM}$) and BMMCs ($IC_{50} = 99 \text{ nM}$) as well as suppressing degranulation of LAD2 human mast cells ($IC_{50} = 50 \text{ nM}$) via Syk suppression through inactivation of Lyn and Fyn kinases.⁶ Enhances CRISPR-Cpf1-mediated precise genome editing.⁷
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