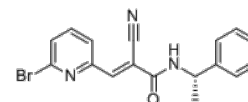


Product Name : WP1066
Cat. No. : PC-73189
CAS No. : 857064-38-1
Molecular Formula : C₁₇H₁₄BrN₃O
Molecular Weight : 356.22
Target : STAT
Solubility : 10 mM in DMSO



Biological Activity

WP1066 is a potent, cell-active **STAT3** pathway inhibitor, inhibits human malignant glioma U87-MG and U373-MG cells in vitro with IC₅₀ of 5.6 and 3.7 uM.

WP1066 activated Bax, suppressed the expression of c-myc, Bcl-XL and Mcl-1, and induced apoptosis.

WP1066 inhibited the growth of subcutaneous malignant glioma xenografts during the 30-day follow-up period via systemic intraperitoneal administration.

WP1066 inhibited the phosphorylation of **JAK2** and also degraded JAK2 protein in AML cells, thereby blocking its downstream STAT and PI3K pathways.

References

Iwamaru A, et al. **Oncogene**. 2007 Apr 12;26(17):2435-44.

Hussain SF, et al. **Cancer Res**. 2007 Oct 15;67(20):9630-6.

Ferrajoli A, et al. **Cancer Res**. 2007 Dec 1;67(23):11291-9.

Verstovsek S, et al. **Clin Cancer Res**. 2008 Feb 1;14(3):788-96.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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