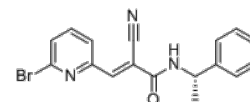


Product Name : WP1066
Cat. No. : PC-73189
CAS No. : 857064-38-1
Molecular Formula : C₁₇H₁₄BrN₃O
Molecular Weight : 356.22
Target : STAT
Solubility : 10 mM in DMSO



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 μM.

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!

E-mail: tech@probechem.com