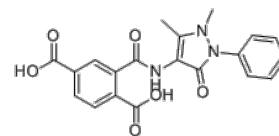


**Product Name** : 14-3-3 inhibitor BV02  
**Cat. No.** : PC-61231  
**CAS No.** : 302602-92-2  
**Molecular Formula** : C<sub>20</sub>H<sub>17</sub>N<sub>3</sub>O<sub>6</sub>  
**Molecular Weight** : 395.371  
**Target** : 14-3-3 Protein  
**Solubility** : 10 mM in DMSO



## Biological Activity

14-3-3 inhibitor BV02 is a novel nonpeptidic inhibitor of **14-3-3 protein-protein interaction** that promotes the apoptotic death of cells expressing either wt Bcr-Abl construct or T315I mutation.

BV02 induces significant dose-dependent reduction of reproductive integrity of Ba/F3 cells expressing the wt and T315I-mutated Bcr-Abl with LD50 of 1.04 and 1.47  $\mu$ M, respectively.

BV02 promoted c-Abl release from 14-3-3 $\sigma$ , abolishes c-Abl expression in the cytoplasm, but has no influence on 14-3-3 $\sigma$  levels.

BV02 induces apoptotic cell death in chronic myeloid leukemia sensitive or resistant to imatinib.

## References

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

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