



# LKT Laboratories, Inc.

## RAD51 inhibitor, B02

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### Product Information

Product ID B560000  
CAS No. 1290541-46-6

#### Chemical Name

Synonym B02 RAD51 inhibitor;

Formula  $C_{22}H_{17}N_3O$   
Formula Wt. 339.40

#### Melting Point

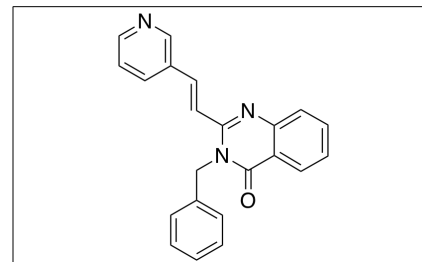
Purity  $\geq 98\%$

Solubility

Store Temp 4°C

Ship Temp Ambient

**Description** B02 is a RAD51 inhibitor. RAD51 is a homologous recombination protein, involved in the repair of double strand breaks in DNA. It is often overexpressed in cancers, making it an interesting target for anti-cancer therapies. Suppressing RAD51 activity increases the sensitivity of cancer cells to other therapies. In human breast cancer cells, B02 increased the anti-cancer effect of doxorubicin, etoposide, topotecan, and cisplatin.



**Bulk quantities available upon request**

Product ID	Size
B560000	5 mg
B560000	25 mg
B560000	100 mg

**References** Huang F., Mazin A., et al. A Small Molecule Inhibitor of Human RAD51 Potentiates Breast Cancer Cell Killing by Therapeutic Agents in Mouse Xenografts. PLoS One. 9(6): e100993 (2014). PMID: 24971740.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.