



LKT Laboratories, Inc.

**AZD-2461**

Phone: 888-558-5227

651-644-8424

Fax: 888-558-7329

Email: [getinfo@lktlabs.com](mailto:getinfo@lktlabs.com)

Web: [lktlabs.com](http://lktlabs.com)

## Product Information

Product ID A9612

CAS No. 1174043-16-3

Chemical Name

Synonym

Formula  $C_{22}H_{22}FN_3O_3$

Formula Wt. 395.43

Melting Point

Purity  $\geq 98\%$

Solubility DMSO 79 mg/mL (199.78 mM)

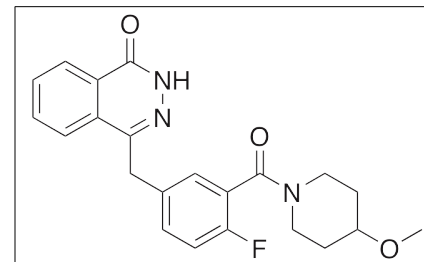
Ethanol 31 mg/mL (78.39 mM)

Water Insoluble

Store Temp  $-20^{\circ}\text{C}$

Ship Temp Ambient

**Description** AZD-2461 is a novel anticancer chemotherapeutic currently in clinical trials. This compound acts as a poly(ADP)-ribose polymerase-1 (PARP1) inhibitor, potentially beneficial in homologous recombination-deficient tumors such as BRCA1-associated cancers. Unlike most PARP inhibitors, AZD-2461 is not a substrate for P-glycoprotein and is thus unlikely to incur related resistance mechanisms.



**Bulk quantities available upon request**

Product ID	Size
------------	------

A9612	5 mg
-------	------

A9612	25 mg
-------	-------

**References** Jaspers JE, Kersbergen A, Boon U, et al. Loss of 53BP1 causes PARP inhibitor resistance in Brca1-mutated mouse mammary tumors. Cancer Discov. 2013 Jan;3(1):68-81. PMID: 23103855.

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