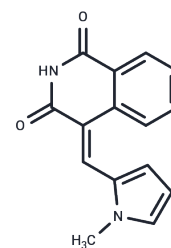


BYK204165

## Chemical Properties

CAS No. : 1104546-89-5  
 Formula: C<sub>15</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub>  
 Molecular Weight: 252.27  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	BYK204165 (RT-017290) is a potent PARP inhibitor (PARP1; IC <sub>50</sub> = 44.67 nM for human recombinant PARP1 in an enzyme assay)
Targets(IC <sub>50</sub> )	PARP
In vitro	BYK204165 displayed 100-fold selectivity for PARP-1[1].

## Solubility Information

Solubility	DMSO: 125 mg/mL (495.5 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.964 mL	19.820 mL	39.6401 mL
5 mM	0.7928 mL	3.964 mL	7.928 mL
10 mM	0.3964 mL	1.982 mL	3.964 mL
50 mM	0.0793 mL	0.3964 mL	0.7928 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Eltze T, Boer R, Wagner T, et al. Imidazoquinolinone, imidazopyridine, and isoquinolindione derivatives as novel and potent inhibitors of the poly(ADP-ribose) polymerase (PARP): a comparison with standard PARP inhibitors.]] molecular pharmacology, 2008, 74(6):1587-1598.

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