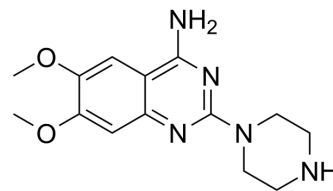


## DPQ hydrochloride

Cat. No.:	HY-W424851
CAS No.:	84050-22-6
Molecular Formula:	C <sub>14</sub> H <sub>20</sub> ClN <sub>5</sub> O <sub>2</sub>
Molecular Weight:	325.79
Target:	PARP
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



H-Cl

### BIOLOGICAL ACTIVITY

#### Description

DPQ hydrochloride (6, 7-dimethoxy-2-(1-piperazinyl)-4-quinazolinamine hydrochloride) is a PARP1 inhibitor, with IC<sub>50</sub> value of 40 nM. DPQ hydrochloride has anti-inflammatory and antiviral activity. DPQ hydrochloride is used to study acute lung injury<sup>[1][2]</sup>.

### REFERENCES

- [1]. Wang G, et al. PARP-1 inhibitor, DPQ, attenuates LPS-induced acute lung injury through inhibiting NF-κB-mediated inflammatory response. PLoS One. 2013 Nov 21;8(11):e79757.
- [2]. Bottini A, et al. Targeting Influenza A Virus RNA Promoter. Chem Biol Drug Des. 2015 Oct;86(4):663-73.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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