

(S)-JQ-35

## Chemical Properties

CAS No. : 1349719-98-7

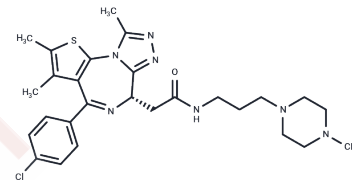
Formula: C<sub>27</sub>H<sub>34</sub>ClN<sub>7</sub>O<sub>5</sub>

Molecular Weight: 540.12

Store at low temperature

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	(S)-JQ-35 (TEN-010) is a BET bromodomain inhibitor with anti-tumor activity, particularly in breast cancer research.
Targets(IC50)	Apoptosis,Epigenetic Reader Domain
In vitro	(S)-JQ-35 is an inhibitor of the BET family. (S)-JQ-35 (8 μM) treatment resulted in a significant increase in the number of GFP cells. [1]

## Solubility Information

Solubility	DMSO: 60 mg/mL (111.09 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.7 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	1.8514 mL	9.2572 mL	18.5144 mL
5 mM	0.3703 mL	1.8514 mL	3.7029 mL
10 mM	0.1851 mL	0.9257 mL	1.8514 mL
50 mM	0.037 mL	0.1851 mL	0.3703 mL

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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

Maksimova V, et al. HeLa TI cell-based assay as a new approach to screen for chemicals able to reactivate the expression of epigenetically silenced genes. PLoS One. 2021 Jun 11;16(6):e0252504.

James Elliott BradnerJun Qi. Compositions and methods for treating neoplasia, inflammatory disease and other disorders.2011-11-17.WO2011143669A2.

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