

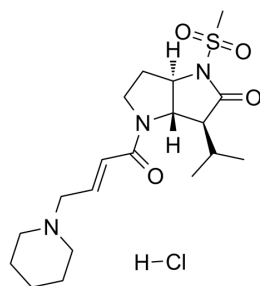
## GW311616 (hydrochloride)

Cat. No.: HY-15891A  
 CAS No.: 197890-44-1  
 Batch No.: 41364  
 Chemical Name: Pyrrolo[3,2-b]pyrrol-2(1H)-one, hexahydro-3-(1-methylethyl)-1-(methylsulfonyl)-4-[(2E)-1-oxo-4-(1-piperidinyl)-2-buten-1-yl]-, hydrochloride (1:1), (3S,3aS,6aR)-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{19}H_{32}ClN_3O_4S$   
 Molecular Weight: 433.99  
 Storage: 4°C, sealed storage, away from moisture  
 \* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

#### Chemical Structure:



### ANALYTICAL DATA

Appearance: Yellow to brown (Solid)  
 $^1H$  NMR Spectrum: Consistent with structure  
 LCMS: Consistent with structure  
 Purity (LCMS): 98.84%  
 Conclusion: The product has been tested and complies with the given specifications.

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

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