



## Certificate of Analysis

<b>Product Name</b>	Givinostat HCl monohydrate (ITF-2357; Gavinostat)
<b>Catalog No.</b>	V0289
<b>Batch No.</b>	V028902

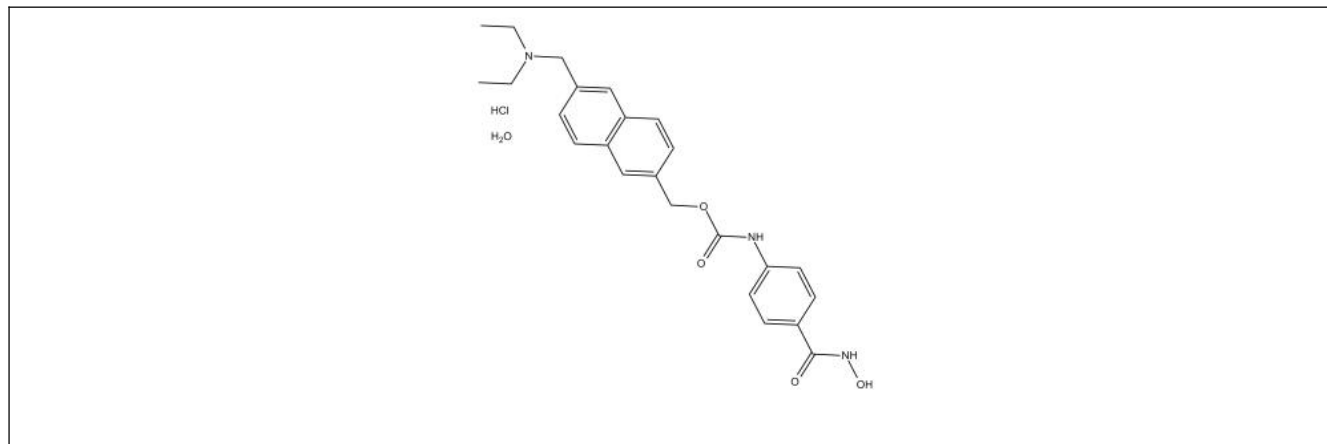
### 1. Physical and Chemical Properties

<b>Appearance</b>	Powder
<b>Molecular Formula</b>	C <sub>24</sub> H <sub>27</sub> N <sub>3</sub> O <sub>4</sub> .HCl.H <sub>2</sub> O
<b>Molecular Weight</b>	475.97
<b>Purity</b>	≥98%
<b>CAS No.</b>	732302-99-7

### 2. Analytical Data

<b>HPLC</b>	Indicates ≥98% purity
<b>NMR</b>	Consistent with structure
<b>Mass Spectrum</b>	Consistent with structure

### 3. Structure



### 4. Storage Condition

<b>Short term storage (weeks)</b>	0 - 4 °C under dry condition for six weeks
<b>Long term storage (months)</b>	-20 °C under dry condition for two years

Products are for research use only • Not for human or veterinary use