

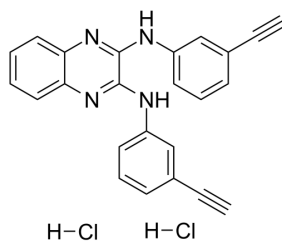
## TD52 (dihydrochloride)

Cat. No.: HY-135699A  
Batch No.: 179835  
Chemical Name: N2,N3-Bis(3-ethynylphenyl)quinoxaline-2,3-diamine dihydrochloride

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>24</sub>H<sub>18</sub>Cl<sub>2</sub>N<sub>4</sub>  
Molecular Weight: 433.33  
Storage: Powder      -20°C    3 years  
                                  4°C      2 years  
                                  In solvent    -80°C    6 months  
  -20°C    1 month

Chemical Structure:



### ANALYTICAL DATA

Appearance: Light yellow to yellow (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
LCMS: Consistent with structure  
Purity (LCMS): 99.90%  
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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