NanoBRET™ Target Engagement Assay for CDK11A+Cyclin K Kinase

**Cell line:** HEK293 human epithelial cell line from ATCC

**Assay format:** 384-well plate format using Promega’s NanoBRET™ TE Intracellular Kinase Assay

**Assay protocol:** HEK293 cells transiently co-expressing NanoLuc®- CDK11A Fusion Vector and Cyclin K Vector were seeded into the wells of 384-well plates. The cells were pre-treated with the NanoBRET™ Tracer K-12 and then treated with reference compound AT7519 for 1 hour. The BRET signal was measured on an Envision 2104 Multilabel Reader. IC$_{50}$ value was calculated and IC$_{50}$ curve was plotted using the GraphPad Prism 4 program based on a sigmoidal dose response equation.

**Reference compound:** AT7519 (IC50 value): 4.962e-008 M

![Reference Compound IC50 for CDK11A+Cyclin K](image)

<table>
<thead>
<tr>
<th>AT7519 (M)</th>
<th>HILLSLOPE</th>
<th>EC50</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>-0.6405</td>
<td>4.962e-008</td>
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