NanoBRET<sup>TM</sup> Target Engagement Assay for LIMK1 Kinase

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

**Assay format:** 384-well plate format using Promega's NanoBRET<sup>TM</sup> TE Intracellular Kinase Assay

**Assay protocol:** HEK293 cells transiently expressing NanoLuc<sup>®</sup>-LIMK1 Fusion Vector were seeded into the wells of 384-well plates. The cells were pre-treated with the NanoBRET<sup>TM</sup> Tracer K-10 and then treated with reference compound CTX-0294885 for 1 hour. The BRET signal was measured on an Envision 2104 Multilabel Reader. IC<sub>50</sub> value was calculated and IC<sub>50</sub> curve was plotted using the GraphPad Prism 4 program based on a sigmoidal dose response equation.

**Reference compound:** CTX-0294885 (IC50 value): 6.400e-007 M

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**Reference Compound IC50 for LIMK1**

![Reference Compound IC50 for LIMK1](image)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>HILLSLOPE</td>
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<tr>
<td>EC50</td>
<td>6.400e-007</td>
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</tbody>
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