A

Cell-Cell Fusion Assay

- R5 HIV-1 Env
- Lemon balm Extract
- CD4+/CCR5+ TZMbl Target Cell
- Syncytium

- Tat
- β-Galactosidase

β-Galactosidase Enzyme Activity Assay

B

<table>
<thead>
<tr>
<th>Lemon balm Concentration (%)</th>
<th>Fusion Efficiency (% of Control)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enfuvirtide</td>
<td>110</td>
</tr>
<tr>
<td>Solvent</td>
<td>90</td>
</tr>
<tr>
<td>Un-treated</td>
<td>100</td>
</tr>
</tbody>
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Lemon balm Concentration (%)

Fusion Efficiency (% of Control)