

## ML-297, GIRK activator

---

Catalog	Unit
TBI1469-5MG	5 mg
TBI1469-25MG	25 mg

### Product Details

**Formal Name:** N-(3,4-Difluorophenyl)-n'-(3-methyl-1-phenyl-1H-pyrazol-5-yl)urea

**Alternate Names:** VU0456810

**Molecular Formula:** C<sub>17</sub>H<sub>14</sub>F<sub>2</sub>N<sub>4</sub>O

**Formula Weight:** 328.32

**CAS Number:** 1443246-62-5

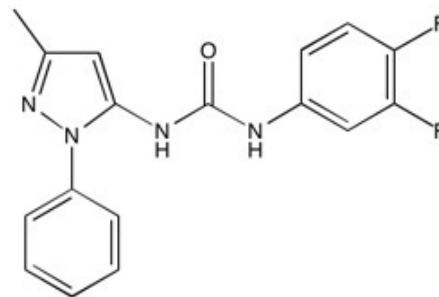
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 45 mg/ml) or in Ethanol (up to 20 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

GIRK activator

### Functions

Selective GIRK  $\frac{1}{2}$  (Kir3.1/3.2) channel activator, IC<sub>50</sub> = 160, 887 and 914 nM for GIRK1/2, GIRK1/4 and GIRK1/3 respectively. Has no effect on GIRK2, GIRK2/3, Kir2.1 and Kv7.4 channels. Displays antiseizure activity and decreases anxiety-related behavior without sedative or addictive effects. Reduces glucose- and IBMX-stimulated GLP-1 secretion with no effect on GIP in murine L and K cells. Brain penetrant.

### Application Procedures

First dissolved in DMSO (up to 45 mg/ml) or in Ethanol (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

**For research use only.**