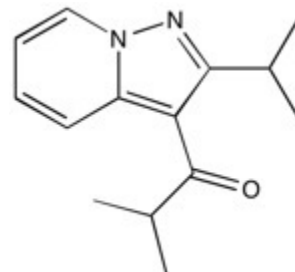


Catalog	Unit
TBI2236-5MG	5 mg
TBI2236-25MG	25 mg

### Product Details

**Formal Name:** 3-Isobutyryl-2-isopropylpyrazolo[1,5-a]pyridine  
**Alternate Names:** 2-Methyl-1-[2-(1-methylethyl)pyrazolo[1,5-a]pyridine-3-yl] 1-propanone; KC-404; AV411; MN-166  
**Molecular Formula:** C<sub>14</sub>H<sub>18</sub>N<sub>2</sub>O  
**Formula Weight:** 230.31  
**CAS Number:** 50847-11-5  
**Purity:** >98%  
**Formulation:** powder  
**Solubility:** Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 20 mg/ml).  
**Storage:** RT  
**Stability:** ≥ 1 year.



### Applications

Neuroinflammation inhibitor (PDE pan-inhibitor)

### Functions

Phosphodiesterase inhibitor with some selectivity for PDE4 and 5. (IC<sub>50</sub>s= 53, 35, 48,12 and 10 μM for PDE 1a, 2, 3, 4 and 5 respectively). Acts as a cerebral vasodilator by selectively inducing a cGMP-independent relaxation of the intracranial vertebrobasilar artery. Attenuates neuroinflammation and enhances retinal ganglion cell viability in glaucoma via PKA signaling. A glial cell activation inhibitor. Enhances morphine analgesia and attenuates tolerance and withdrawal. Orally active and crosses the blood-brain barrier.

### Application Procedures

First dissolved in DMSO (up to 25 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.**