

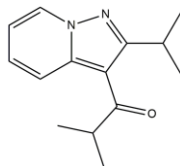
PRODUCT: Ibudilast

ALTERNATE NAMES: MN-166, MN166, MN 166, AV-411, AV 411, AV411, Ketas, KC404, KC-404; KC 404

CATALOG #: B1327-5, -25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₄H₁₈N₂O

MOLECULAR WEIGHT: 230.311

CAS NUMBER: 50847-11-5

APPEARANCE: White solid powder

SOLUBILITY: DMSO (>25 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20°C. Protect from air and light.

DESCRIPTION: Ibudilast is a phosphodiesterase inhibitor, inhibiting the phosphodiesterase 4 (PDE4) subtype, which catalyzes the hydrolysis of the second messenger cAMP thereby regulating many important physiological processes. Ibudilast inhibits PDE4 to the greatest extent, but also shows significant inhibition of other PDE subtypes.

REFERENCES:

1. Johnson JL et al., Headache. 2015 Oct;55(9):1192-208.
2. Charntikov S et al., Drug Alcohol Depend. 2015 Jul 1;152:15-23
3. Wang H et al., Pharmacol Biochem Behav. 2014 Sep;124:373-9

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

- Phosphodiesterase 5 (PDE5) inhibitor, Sildenafil citrate (2872)
- Phosphodiesterase-4 (PDE-4) inhibitor, GSK-356278 (B1292)
- Phosphodiesterase-4 (PDE-4) inhibitor, Roflumilast (2675)
- Phosphodiesterase-4 (PDE-4) inhibitor, RO 20-1724 (2042)
- Phosphodiesterase-3 (PDE3) inhibitor, Cilostamide (2560)
- Phosphodiesterase-3 (PDE3) inhibitor, Cilostazol (2393)
- Phosphodiesterase-3 (PDE3) inhibitor, Milrinone (2163)
- Phosphodiesterase-3 (PDE3) inhibitor, Pimobendan (9676)
- Phosphodiesterase-2 (PDE2) inhibitor, EHNA hydrochloride (2265)

USAGE: *FOR RESEARCH USE ONLY! Not to be used in humans*