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**Product Data Sheet**

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Product Name: Irindalone (Lu 21-098)

Cat. No.: GC31014

**Chemical Properties**

Cas. No. 96478-43-2

SMILES O=C1NCCN1CCN2CCN([C@@H]3C[C@@H](C4=CC=C(F)C=C4)C5=C3C=CC=C5)CC2Formula C<sub>24</sub>H<sub>29</sub>FN<sub>4</sub>O M.Wt 408.51

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Irindalone is a novel serotonin 5-HT<sub>2</sub> antagonist.

Irindalone causes a concentration-related inhibition of serotonin-induced contractions and shifts the serotonin curve to the right. Irindalone is more potent in inhibiting the serotonin-induced contractions. Irindalone has a similar profile in vitro, with a high affinity for serotonin 5-HT<sub>2</sub> receptors and about a 10 times lower affinity for α<sub>1</sub>-adrenoceptors[1].

Irindalone dose dependently lowers the blood pressure in spontaneously hypertensive rats (SHR) and renal hypertensive dogs[1].

[1]. Mikkelsen EO, et al. Comparison of the effect of irindalone, a novel serotonin 5-HT<sub>2</sub> antagonist and ketanserin on mechanical responses of rat thoracic aorta. Eur J Pharmacol. 1988 Apr 27;149(1-2):145-8.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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