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**Product Data Sheet**

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Product Name: N-Desmethyl Pimavanserin

Cat. No.: GC61478

**Chemical Properties**

Cas. No. 639863-77-7

SMILES O=C(NCC1=CC=C(OCC(C)C)C=C1)N(CC2=CC=C(F)C=C2)C3CCNCCC3Formula C24H32FN3O2

M.Wt 413.53

Solubility DMSO : 125 mg/mL (302.28 mM; ultrasonic and warming and heat to 60°C)

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**

N-Desmethyl Pimavanserin is the active metabolite of Pimavanserin. Pimavanserin is a selective inverse agonist of the 5-HT<sub>2A</sub> receptor with pIC<sub>50</sub> and pK<sub>d</sub> of 8.73 and 9.3, respectively.

The mean plasma half-lives for Pimavanserin and its metabolite N-Desmethyl Pimavanserin (AC-279) are 57 hours and 200 hours, respectively.

[1]. Vanover KE, et al. Pharmacological and behavioral profile of N-(4-fluorophenylmethyl)-N-(1-methylpiperidin-4-yl)-N'-(4-(2-methylpropyloxy)phenylmethyl) carbamide (2R,3R)-dihydroxybutanedioate (2:1) (ACP-103), a novel 5-hydroxytryptamine(2A) receptor inverse agonist. J Pharmacol Exp Ther. 2006 May;317(2):910-8.

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

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