

PRODUCT: NVS-SM1**RELATED PRODUCTS:**Valproic Acid Sodium (**1647**)

ALTERNATE NAME: (6Z)-3-(1H-pyrazol-4-yl)-6-[3-(2,2,6,6-tetramethylpiperidin-4-yl)oxy-1H-pyridazin-6-ylidene]cyclohexa-2,4-dien-1-one; Brana plam; LMI070

CATALOG NUMBER: B1844-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C₂₂H₂₇N₅O₂

MOLECULAR WEIGHT: 393.49

CAS NUMBER: 1562338-42-4

APPEARANCE: Crystalline solid

SOLUBILITY: H₂O

PURITY: ≥98% by HPLC

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

DESCRIPTION: NVS-SM1, also known as LMI070, is a highly potent, selective small molecule SMN2 splicing modulator with potential for treating spinal muscular atrophy. It works by increasing the amount of functional survival of motor neuron protein produced by the SMN2 gene through modifying its splicing pattern.

REFERENCES: Calder, A.N., *et al.* (2016). *J. Med. Chem.* **59**, 10067-10083.

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

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