Product Name: Solasodine
CAS No.: 126-17-0
Cat. No.: HY-N0068
MWt: 413.64
Formula: C27H43NO2
Purity: >98%
Solubility: DMSO

Mechanisms:
Pathways: Others; Target: Others

Biological Activity:
Solasodine (Purapuridine) is a poisonous alkaloid chemical compound that occurs in plants of the Solanaceae family. Solasodine showed selective cytotoxicity against cervical cancer cell line (HeLa) and human myeloid leukemia cell line (U937). IC50 Value: 12.17 ± 3.3 uM (Hela cell line)[1]
Target: Anticancer
in vitro: Mouse embryonic teratocarcinoma P19 cells exposed to solasodine for 2 days followed by a 5-day washout differentiated into cholinergic neurons that expressed specific neuronal markers and displayed important axonal formation that continued growing even 30 days after treatment [2].
in vivo: A 2-week infusion of solasodine into the left ventricle of the rat brain followed by a 3-week washout resulted in a significant increase in bromodeoxyuridine uptake by cells of the ependymal layer, subventricular zone, and cortex that co-localized with doublecortin immun... 

References:
[1]. Sarthak Bhattacharya, et al. Isolation of Solasodine from the Unripe Fruits of Solanum xanthocarpum Schrad and Wendl (Solanaceae) and it's Anti Cancer Activity against Hela and U937 Cell Lines.

Caution: Not fully tested. For research purposes only
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