

PRODUCT: Gossypin

PLX-4032 (Cat. No. 2235-5, 25)

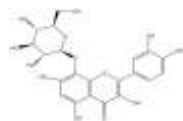
ZM 336372 (Cat. No. 1789-1, 5)

ALTERNATE NAME: 3,3',4',5,7,8-Hexahydroxyflavone-8-glucoside

CATALOG #: 2374-50, 250, 1000

AMOUNT: 50 mg, 250 mg, 1 g

STRUCTURE:

MOLECULAR FORMULA: $C_{21}H_{20}O_{13}$

MOLECULAR WEIGHT: 480.38

CAS NUMBER: 652-78-8

APPEARANCE: Yellow solid

SOLUBILITY: DMSO

PURITY: $\geq 98\%$ by HPLCSTORAGE: At -20° C. Protect from light and air

DESCRIPTION: A glucoside occurring in cotton and Hibiscus flowers that acts as a potent antimelanoma agent. Gossypin inhibits human melanoma cell proliferation, in vitro, in melanoma cell lines that harbors both BRAF-V600E kinase and CDK4 as well as in cells with BRAF wild-type allele. Gossypin inhibits the kinase activities of BRAF-V600E and CDK4, in vitro, possibly through direct binding with these kinases.

REFERENCE: Bhaskaran, S., *et al.* (2013). *Mol. Cancer Ther.* **12**, 361-372.

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

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