Tryptanthrin

ALTERNATE NAMES: indolo[2,1-b]quinazoline-6,12-dione; NSC 349447; Couroupitine a; 11-hydrobenzo[d]quinazoline[3,2-a]azolidine-6,12-dione

CATALOG #: B2951-5 5 mg  
B2951-25  25 mg

STRUCTURE:

MOLECULAR FORMULA: C₁₅H₈N₂O₂

MOLECULAR WEIGHT: 248.24

CAS NUMBER: 13220-57-0

APPEARANCE: Solid

PURITY: ≥95%

SOLUBILITY: ~2 mg/ml in DMSO

DESCRIPTION: Tryptanthrin is an alkaloid isolated from various plants and shows antimicrobial activity. It inhibits both 5-lipoxygenase and cyclooxygenase-2 with IC₅₀ values of 600 nM and 64 nM, respectively. It suppresses angiogenesis by targeting the VEGFR2-mediated ERK1/2 signalling pathway.

STORAGE TEMPERATURE: -20°C. Store in the dark. Product is light sensitive.

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

REFERENCES:

RELATED PRODUCTS:
NDGA (Cat. No. 2581)  
6-Gingerol (Cat. No. 2507)  
Ciclopirox (Cat. No. B2079)  
Zileuton (Cat. No. B2314)  
Curcumin, Curcuma longa (High Purity) (Cat. No. 1850)

DISCLAIMER: FOR RESEARCH USE ONLY! Not to be used on humans.