

Product Information

Product ID G8850
CAS No. 220904-83-6
Chemical Name 2H-Indol-2-one, 3-[(3,5-dibromo-4-hydroxyphenyl)methylene]-1,3-dihydro-5-iodo-

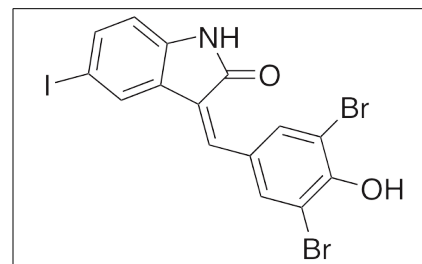
Synonym

Formula C₁₅H₈Br₂INO₂
Formula Wt. 520.94
Melting Point
Purity ≥98%
Solubility DMSO 104 mg/mL (199.63 mM)
Water Insoluble
Ethanol Insoluble

Store Temp -20° C

Ship Temp Ambient

Description GW-5074 is an indole that functions as a highly selective Raf-1 (c-Raf) kinase inhibitor and is used to study Ras/Raf-1/ERK signaling. This compound inhibits desuccinylation activity of Sirt5 (a histone deacetylase), altering DNA repair and metabolism in vitro. GW-5074 is also neuroprotective against 6-OHDA toxicity, which is a commonly studied experimental model of Parkinson's Disease.



Bulk quantities available upon request

Product ID	Size
G8850	1 mg
G8850	5 mg

References Suenkel B, Fischer F, Steegborn C. Inhibition of the human deacylase Sirtuin 5 by the indole GW5074. *Bioorg Med Chem Lett*. 2013 Jan 1;23(1):143-6. PMID: 23195732.

Li J, Fan Y, Zhang YN, et al. The Raf-1 inhibitor GW5074 and the ERK1/2 pathway inhibitor U0126 ameliorate PC12 cells apoptosis induced by 6-hydroxydopamine. *Pharmazie*. 2012 Aug;67(8):718-24. PMID: 22957439.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.