



LKT Laboratories, Inc.

Bis(3,5-dibromosalicyl) Fumarate

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Product Information

Product ID B3272

CAS No. 71337-53-6

Chemical Name 2-Butenedioic acid (E)-, bis(2,4-dibromo-6-carboxyphenyl) ester

Synonym 3,5-Dibromosalicyl-bis-fumarate

Formula C₁₈H₈O₈Br₄

Formula Wt. 671.87

Melting Point 225-228°C

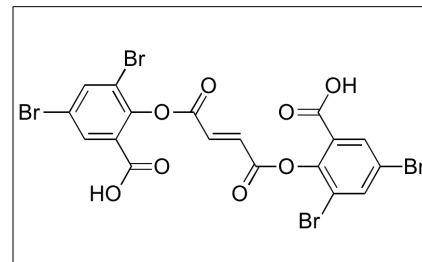
Purity ≥91%

Solubility Slightly soluble in water.

Store Temp -20°C

Ship Temp Ambient

Description Bis(3,5-dibromosalicyl) fumarate is an aspirin analog that is used to induce hemoglobin chain crosslinks at lysine residues. This compound is used to study hemoglobin function in research models and may be used to develop treatments for sickle-cell anemia. This compound may exhibit anti-inflammatory, analgesic, and antipyretic activities.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
B3272	100 mg	\$30.50
B3272	500 mg	\$106.10
B3272	1 g	\$151.20
B3272	5 g	\$302.80

References Macdonald VW, Motterlini R. Vasoconstrictor effects in isolated rabbit heart perfused with bis(3,5-dibromosalicyl)fumarate cross-linked hemoglobin (alpha alpha Hb). *Artif Cells Blood Substit Immobil Biotechnol.* 1994;22(3):565-75. PMID: 7994376.

Thompson EB, Klotz IM. Pharmacological actions of diaspirins, potential antisickling agents: analgesic and anti-inflammatory effects. *Res Commun Chem Pathol Pharmacol.* 1985 Jun;48(3):381-8. PMID: 4023420.

Chatterjee R, Iwai Y, Walder RY, et al. Structural features required for the reactivity and intracellular transport of bis(3,5-dibromosalicyl)fumarate and related anti-sickling compounds that modify hemoglobin S at the 2,3-diphosphoglycerate binding site. *J Biol Chem.* 1984 Dec 10;259(23):14863-73. PMID: 6501320.

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