

DPNB-ABT 594 Biochemical | DPNB-ABT594 biochemical

DPNB-ABT 594

CATALOG #
AAA228982

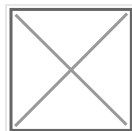
PRODUCT SYNONYMS

DPNB-ABT 594; Pyrrolo[1; 2-a]pyrazin-1(2H)-one; 6; 7-dibromo-3; 4-dihydro-4-hydroxy-; 7-dibromo-4-hydroxy-3; 4-dihydro-2H-pyrrolo[1; 2-a]pyrazin-1-one; 7-dibromo-4-hydroxy-1H; 2H; 3H; 4H-pyrrolo[1; DPNB-ABT594 biochemical

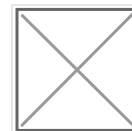
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
+/-)-Longamide, CAS 219783-00-3



Structure
+/-)-Longamide, CAS 219783-00-3

ADDITIONAL INFORMATION

Related Product Information for DPNB-ABT594 biochemical	DPNB-ABT 594 is a nitrobenzyl-caged ABT 594, a selective alpha4beta2 nAChR agonist. One-photon uncaging evokes large inward currents and Ca ²⁺ transients on cell bodies and dendrites of medial habenular neurons in mouse brain slices. Two-photon uncaging induces fast nAChR-mediated currents. Photolyzed with high quantum yield of 0.20. Effective photolysis occurs using one- or two-photon excitation; one-photon uncaging requires illumination at 410 nm for 1.5-3 ms; two-photon uncaging requires illumination with appropriate two photon pulse laser at 710 nm for ~2 ms.
Product Categories/Family for DPNB-ABT594 biochemical	Others
References	1. Umeyama A, et al. A new bromopyrrole alkaloid and the optical resolution of the racemate from the marine sponge homaxinella sp. J Nat Prod. 1998 Nov;61(11):1433-4.

NCBI AND UNIPROT INFORMATION

Molecular Weight	309.94
------------------	--------

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.