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### CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Brexpiprazole Impurity 70**

#### Identification:

Chemical Name: Piperazinium, 4-benzo[b]thien-4-yl-1,1-bis[4-[(1,2-dihydro-2-oxo-7-quinolinyloxy)butyl]-, Iodide (1:1)

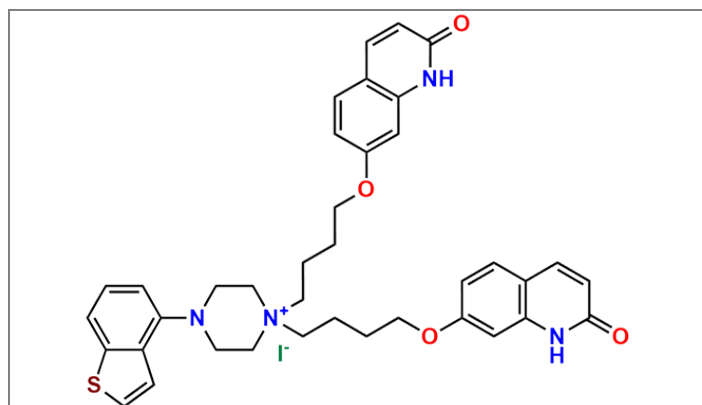
Synonyms : NA

CAS Number : 2454317-19-0

CAT Number : CP-B15070

Molecular Formula : C<sub>38</sub>H<sub>41</sub>N<sub>4</sub>O<sub>4</sub>S : I

Molecular Weight : 649.83 : 126.91



#### Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	Confirm to structure



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.