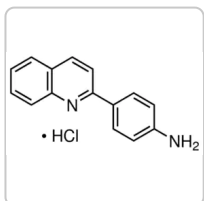


Type in Product Names, Product Numbers, or CAS Numbers to see suggestions.



[All Photos](#) (1)

Documents

[↓ SDS](#)

[🔍 COO/COA](#)

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B4311 ▶ **Sigma-Aldrich®**

BF-170 hydrochloride

★★★★★ (0)

≥98% (HPLC), solid

Synonym(s):

2-(4-aminophenyl)quinoline hydrochloride, NSC 168387 hydrochloride

Empirical Formula (Hill Notation):

C₁₅H₁₂N₂ · HCl

CAS Number: **22191-97-5**

Molecular Weight: 256.73

MDL number: **MFCD08705340**

PubChem Substance ID: **24891766**

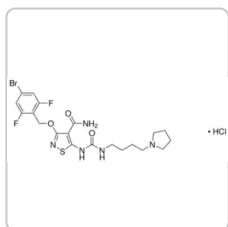
NACRES: NA.77

SKU	Pack Size	Availability	Price	Quantity		
B4311-5MG	5 MG	 Only 4 left in stock (more on the way) Details...	€116.00	— +		
B4311-25MG	25 MG	 Estimated to ship on November 01, 2022	€400.00	— +		

[Request a Bulk Order](#)

[Add to Cart](#)

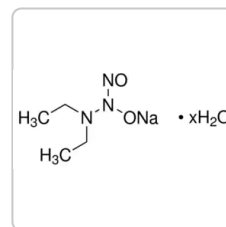
RECOMMENDED PRODUCTS



Sigma-Aldrich

PZ0264**CP-547632 hydrochloride**

≥98% (HPLC)

[View Price and Availability](#)

Sigma-Aldrich

D184**Diethylamine NONOate sodium salt hydrate**

≥97% (NMR)

[View Price and Availability](#)

PROPERTIES

Quality Level	100
assay	≥98% (HPLC)
form	solid
storage condition	desiccated protect from light under inert gas
color	orange
solubility	H ₂ O: 10 mg/mL

storage temp.	-20°C
SMILES string	<chem>Cl[H].Nc1ccc(cc1)-c2ccc3ccccc3n2</chem>
InChI	1S/C15H12N2.ClH/c16-13-8-5-12(6-9-13)15-10-7-11-3-1-2-4-14(11)17-15;/h1-10H,16H2;1H
InChI key	UYYPMQOFLJHJAW-UHFFFAOYSA-N

DESCRIPTION

Packaging

5, 25 mg in glass bottle

Biochem/physiol Actions

BF-170 is a new probe for neurofibrillary tangles (tau fibrils). It exhibits greater binding affinity to tau than to A β fibrils, EC₅₀ = 221 nM vs. EC₅₀ = 786 nM (K_i for A β > 5,000 nM). BF-170 demonstrates fast clearance from the brain; clearly visualizes neurofibrillary tangles, neuropil threads, and paired helical filament-type neuritis. BF-70 may become one of the candidate compounds for *in vivo* imaging of tau pathology associated with Alzheimer's disease and is a useful tool in distinguishing among tau and A β fibrils specifically in AD.

Caution

Product is air sensitive, store under inert gas.

SAFETY INFORMATION

Pictograms



GHS05,GHS07

Signal Word

Danger

Hazard Statements

H302 - H315 - H318 - H335

Precautionary Statements

P280 - P301 + P312 + P330 - P302
+ P352 - P305 + P351 + P338 +
P310

Hazard Classifications

Acute Tox. 4 Oral - Eye Dam. 1 -
Skin Irrit. 2 - STOT SE 3

Target Organs

Respiratory system

Storage Class Code

11 - Combustible Solids

WGK

WGK 3

Flash Point(F)

Not applicable

Flash Point(C)

Not applicable

Personal Protective Equipment

dust mask type N95 (US),
Eyeshields, Gloves

DOCUMENTATION

Certificate of Analysis

Enter Lot Number to search for Certificate of Analysis (COA).

Lot Number

e.g. 023J5431

How to enter Lot Number (COA)

[Search](#)

Certificate of Origin

Enter Lot Number to search for Certificate of Origin (COO).

Lot Number

e.g. 023J5431

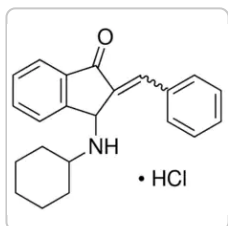
How to enter Lot Number (COO)

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[Structure Search](#)[SDS](#)

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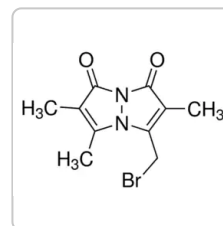


Sigma-Aldrich

B4313

(E/Z)-BCI hydrochloride

≥98% (HPLC)



Sigma-Aldrich

B4380

Bromobimane

≥97%

[View Price and Availability](#)[View Price and Availability](#)

Reviews

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Questions

[Be the first to ask a question](#)

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