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Produktinformation



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Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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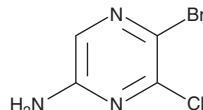
PRODUCT INFORMATION



2-Amino-5-bromo-6-chloropyrazine

Item No. 30917

CAS Registry No.: 173253-42-4
Formal Name: 5-bromo-6-chloro-2-pyrazinamine
MF: $C_4H_3BrClN_3$
FW: 208.4
Purity: $\geq 98\%$
UV/Vis.: λ_{max} : 250, 338 nm
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥ 2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

2-Amino-5-bromo-6-chloropyrazine is supplied as a crystalline solid. A stock solution may be made by dissolving the 2-amino-5-bromo-6-chloropyrazine in the solvent of choice, which should be purged with an inert gas. 2-Amino-5-bromo-6-chloropyrazine is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF). The solubility of 2-amino-5-bromo-6-chloropyrazine in these solvents is approximately 20, 15, and 25 mg/ml, respectively.

2-Amino-5-bromo-6-chloropyrazine is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, 2-amino-5-bromo-6-chloropyrazine should first be dissolved in DMF and then diluted with the aqueous buffer of choice. 2-Amino-5-bromo-6-chloropyrazine has a solubility of approximately 0.16 mg/ml in a 1:5 solution of DMF:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

2-Amino-5-bromo-6-chloropyrazine is a heterocyclic building block.^{1,2} It has been used in the synthesis of Akt inhibitors.

References

1. Kettle, J.G., Brown, S., Crafter, C., *et al.* Diverse heterocyclic scaffolds as allosteric inhibitors of AKT. *J. Med. Chem.* **55**(3), 1261-1273 (2012).
2. Goel, R., Luxami, V., and Paul, K. Recent advances in development of imidazo[1,2-a]pyrazines: Synthesis, reactivity and their biological applications. *Org. Biomol. Chem.* **13**(12), 3525-3555 (2015).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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