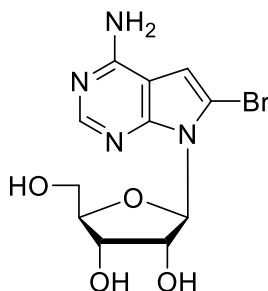


Technical Information about 6- Bromotubercidin

Update: June 07, 2019 нч



Abbreviation: 6-Br-Tu

Formula	CAS No.	Molecular Weight	UV	BIOLOG Cat. No.
C ₁₁ H ₁₃ BrN ₄ O ₄	[78000-56-3]	345.2	λ_{max} 275 nm / ϵ 14000 / pH 7	B 013

Name: 6- Bromotubercidin / 8- Bromo- 7- deazaadenosine

Description: 6-Br-Tu is an analogue of 7-deazaadenosine/tubercidin in which the hydrogen in position 8 of the adenine imidazole ring (corresponds to position 6 in tubercidin) is replaced by bromine.

Properties: 6-Br-Tu is an analogue of adenosine which may be of interest in antiviral research.

Specification: Crystallized or lyophilized solid. Please keep in mind that equal amounts of the compound may look different in volume depending on humidity. Micromolar quantities are determined by UV at λ_{max} .

Purity: Typical analysis is better than 97%(HPLC / UV / 275m). The product is not sterile and has not been tested for endotoxins.

Solubility: 6-Br-Tu is soluble in methanol (≥ 10 mM). When opening the tube please make sure that no substance is lost within the cap. Please rinse tube walls carefully and preferably use ultrasonic or vortex to achieve total and uniform mixing.

Stability and Storage: 6-Br-Tu has sufficient stability at room temperature and does not need special care during handling or shipment. Nevertheless, we recommend that the compound should be stored in the freezer, for longer storage periods preferably in freeze-dried form.

Toxicity and Safety: Since adenosine has multiple tasks in every organism it is very likely that its analogues will interfere with many cell regulation processes *in vivo* as well. However, due to the rather small quantities to work with no health hazards have been reported. Nevertheless please keep in mind that the *in vivo* properties of this compound are not sufficiently characterized up to now. Avoid skin contact or ingestion and allow only trained personnel to handle the product.

Our products are designed, developed and sold for research purposes only. They are intended for *in vitro* and nonhuman *in vivo* laboratory applications. Any other use requires approval of health authorities.

Not for drug, household or related uses!

Selected Reference for 6-Br-Tu:

Bergstrom, D.E.; Brattesani, A.J.; Ogawa, M.K.; Reddy, P.A.; Schweickert, M.J.; Balzarini, J.; De Clercq, E., *J. Med. Chem.*, **27**, 285 - 292 (1984): "Antiviral Activity of C-5 Substituted Tubercidin Analogs"