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DATASHEET

Ageladine A TFA

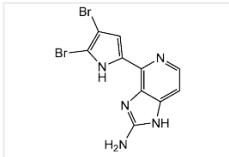
Product overview

Name	Ageladine A TFA
Cat No	HB3743
Biological description	Non-toxic, pH-sensitive fluorescent dye (blue-green range) for live imaging in acidic organelles, vesicles, cells, tissue and even small whole animals over several days without side effects. Stronger under acidic conditions and barely detectable in alkaline solutions (wide range from pH 4 to pH 8). Highly cell/membrane permeable. Trapped within the cells and acidic organelles through hydrophobic interactions with the inner side of the membranes. Barely metabolized and long-term stable, thus slow photobleaching. Angiogenesis inhibitor. Inhibitor of matrix metalloproteinases MMP-1,-2,-8,-9,-12,-13. TYK2, DYRK2, Dyrk1A, YSK4 and RPS6KA1/2 inhibitor.
Purity	>98%
Description	Non-toxic, pH-sensitive fluorescent dye (blue-green range)

Solubility & Handling

Storage instructions	+4°C
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	(4-(4,5-Dibromo-1H-pyrrol-2-yl)-1H-imidazo[4,5-c]pyridin-2-amine) trifluoroacetate
Molecular Weight	471
Chemical structure	 The chemical structure shows a complex heterocyclic system. It features a 4,5-dibromo-1H-pyrrol-2-yl group attached to the 1-position of an imidazo[4,5-c]pyridin-2-amine ring system. The imidazole ring is fused to the pyridine ring. The pyridine ring has a trifluoroacetate group (CH3CO2-) at the 2-position and an amino group (NH2) at the 6-position. The 4 and 5 positions of the pyrrol-2-yl group are also substituted with bromine atoms (Br).
CAS Number	950766-21-9
InChiKey	QAKGJAQGTQLMFN-UHFFFAOYSA-N
Appearance	Brown solid