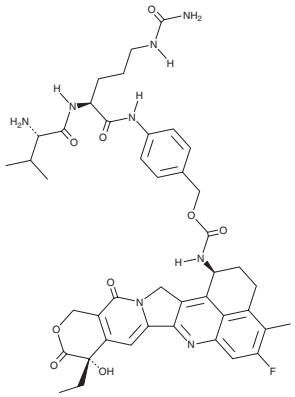
PRODUCT INFORMATION

Val-Cit-PAB-Exatecan

Item No. 46448

CAS Registry No.:	2227350-99-2
Formal Name:	L-valyl-N-(aminocarbonyl)-N-[4-[[[[[(1S,9S)-9-ethyl-5-fluoro-2,3,9,10,13,15-hexahydro-9-hydroxy-4-methyl-10,13-dioxo-1H,12H-benzo[de]pyrano[3′,4′:6,7]indolizino[1,2-b]quinolin-1-yl]amino]carbonyl]oxy]methyl]phenyl]-L-ornithinamide
Synonym:	Val-Cit-PAB-DX 8951f
MF:	$C_{43}H_{49}FN_8O_9$
FW:	840.9
Purity:	≥95%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



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

Laboratory Procedures

Val-Cit-PAB-exatecan is supplied as a solid. A stock solution may be made by dissolving the Val-Cit-PAB-exatecan in the solvent of choice, which should be purged with an inert gas. Val-Cit-PAB-exatecan is slightly soluble (0.1-1 mg/ml) in DMSO.

Description

Val-Cit-PAB-exatecan is a drug-linker molecule containing a cleavable Val-Cit dipeptide, a *p*-aminobenzyl spacer, and the DNA topoisomerase I inhibitor exatecan (Item No. 35452) as the cytotoxic payload. It is a component of antibody-drug conjugates (ADCs) with *in vitro* anticancer activity, one of which also has anticancer activity in mice.[1]

Reference

1. Schmitt, S., Machui, P., Mai, I., *et al.* Design and evaluation of phosphonamidate-linked exatecan constructs for highly loaded, stable, and efficacious antibody-drug conjugates. *Mol. Cancer Ther.* **23(2)**, 199-211 (2024).

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.

WARRANTY AND LIMITATION OF REMEDY
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